

26003

ROCKLAND KEY
(Solid Waste)

MAJOR
CONDITIONAL
USE

26003

Additional Info Added to file #26003



DEPARTMENT OF THE NAVY

NAVAL AIR STATION
PO BOX 9001
KEY WEST FL 33040-9001

5090
Ser N45/0162
18 Apr 06

Mr. R. B. Havens
City of Key West Public Works Manager
5710 College Road
Key West, FL 33040

Dear Mr. Havens:

This letter serves as a response to your letter dated January 23, 2006 to Naval Facilities Engineering Command regarding the proposed construction of a new municipal solid waste transfer station on north Rockland Key, north of Naval Air Station Key West (NASKW) Boca Chica Field.

Per your request, we have reviewed the "Construction and Operation Permit Application and Engineering Report" for the transfer station, enclosed with your January 23rd letter. Our review was specific to potential Bird and Animal Strike Hazards (BASH) associated with the construction and operation of the proposed facility. Our comments are provided in enclosure (1).

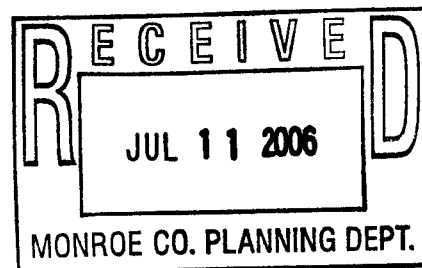
Early in the development of the proposed facility, NASKW informally requested the City of Key West provide us with at least one location of a similarly designed and operated facility in the South Florida area. I would like my Environmental and Airfield Operations staff to visit such a facility to observe first hand the potential bird strike hazards associated with it. Therefore, before I can endorse a new transfer station on Rockland Key, I respectfully request you coordinate with my staff to arrange for an inspection of such a facility.

Thank you for the opportunity to review the permit application and express our comments and concerns. My point of contact for this matter is my Environmental Director, Mr. Edward Barham. He may be reached by e-mail at barhamed@naskw.navy.mil or by phone at 305/293-2911.

Sincerely,

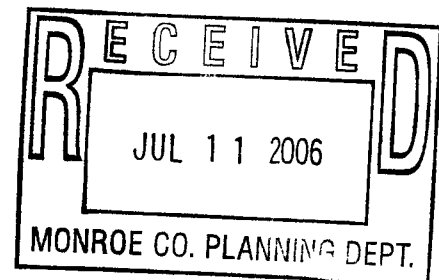
J. K. SCHOLL
Captain, U. S. Navy
Commanding Officer

Enclosure: 1. NASKW Comments



Naval Air Station Key West Comments & Concerns
Proposed Construction and Operation of a New Municipal Solid Waste Transfer
Station on North Rockland Key

- 1) It is not defined clearly in the report whether or not all recycling is located within the enclosed transfer area. According to attachment G-1 there are two designated areas for recycling, one in the enclosed section of the transfer station and one area outside the enclosed section. Our concern in having any recycling located outside is the possibility of poorly cleaned recyclable items. Poorly cleaned recyclable items could result in wildlife becoming attracted to the transfer station and potentially creating a BASH concern.
- 2) How often do you expect unauthorized dumping occur? How does the City of Key West propose to control unauthorized dumping of waste near the transfer station? As stated in Part B, Section 2.6, "unauthorized waste will be properly disposed of as soon as practical". Please define "as soon as practical"?
- 3) Housekeeping efforts must be performed according to the guidelines specified in the FAA Advisory Circular 5200.33. Concerns with failed housekeeping protocol would be a potential increase in bird activity within the approach/departure corridor of one of NAS Key West runways.
- 4) The plan calls for two storm water retention ponds. These fresh water ponds are a concern due to the potential of them becoming an additional bird attractant. Does the City have a plan to discourage the use of these ponds by birds?



Read into Record 7/12/06

July 12, 2006

Monroe County Planning Commission
Marathon Government Center
2798 Overseas Highway
Marathon, FL

RE: Agenda item 6. MAJOR CONDITONAL USE Section 9.5-69

Dear Commissioners:

I am writing to voice my objection to the conditional use permit approval for a transfer station on Rockland Key.

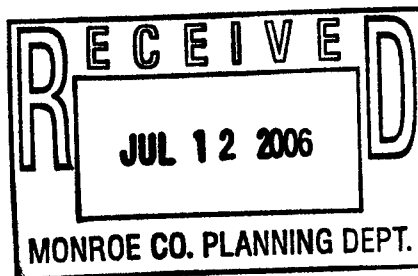
The property is zoned (I) and this use requires H-2 zoning. I believe that this use, regardless of the proposed construction and attempts to control odors, noise and hazards will have a significant impact to all homeowners on Calle Uno and Calle Dos. These properties may not be within the 300 foot surrounding radius but will most assuredly be adversely affected by this use. Truck traffic and noise, potential fire hazards, hazardous waste soil and water contamination, unauthorized dumping, birds and living with the odors will all become a reality regardless of planning.

It is my understanding that when considering applications for a conditional use permit the planning director and commission shall consider the extent to which the conditional use is consistent with the character of the immediate vicinity of the parcel for proposed development. The immediate vicinity does include a neighborhood of families in sixty homes on Calle Uno and Calle Dos whose peaceful enjoyment, quality of life and property values will be substantially reduced regardless of the planning conditions being met by this heavy industrial use.

I understand the need to provide these facilities and I respectfully request that the County Planning Commission consider other locations for this heavy industrial use.

Sincerely,

Marilyn D. Wilbarger
5 Calle Uno
Rockland Key, FL





(305) 295-1000
1001 James Street
PO Box 6100
Key West, FL 33041-6100
www.KeysEnergy.com

UTILITY BOARD OF THE CITY OF KEY WEST

December 14, 2005

Mr. Owen Trepanier
Owen Trepanier & Association Inc.
P.O. Box 2155
Key West, FL 33045-2155

RE: Letter of Coordination
City of Key West
Solid Waste Transfer Station- Rockland Key
RE# 00122080-000100

Dear Mr. Trepanier:

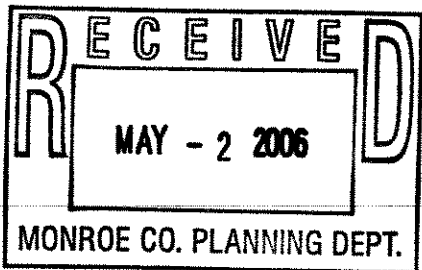
This is to acknowledge that power is available to the subject property located on Rockland Key. In order to bring power to this site, a new underground service will have to be installed. I am enclosing a copy of Keys Energy Services Customer Services Policy Manual. I have marked the pages that deal with the Primary Underground Line Extension and associated costs for installation.

If you have any questions concerning this matter, please do not hesitate to contact me at 295-1082

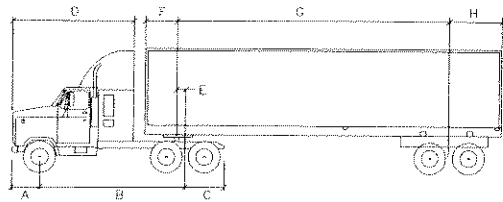
Sincerely,

Mark Garcia
Customer Account Representative

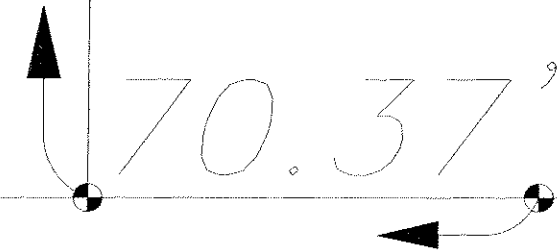
C:
M. Alfonso
Ms. Nicole Petrick
Monroe County Planning Department
Steve Henson
Property Owner
File: CUS-200



WB-50 - DETAIL



Description	WB-50 FL	WB-50m M
A - Tractor Front	3.0	0.9
B - Tractor Wheelbase	18.0	5.5
C - Tractor Rear	4.2	1.3
D - Cab Length	10.0	3.0
E - Axle to Kingpin	0	0
F - Trailer Front	4.2	1.3
G - Pin to Trailer Axle	30.0	9.1
H - Trailer Rear	4.0	1.2
I - Tractor Width	8.5	2.6
J - Trailer Width	8.5	2.6
K - Tractor Track	8.5	2.6
L - Trailer Track	8.5	2.6
M - Steering Angle (deg.)	26.1	26.1
N - Tractor/Trailer Angle (deg.)	48.4	48.4
Minimum Turning Radius	40.7	12.4



CLF gate CLF

$\sqrt{A} = 320.67'$

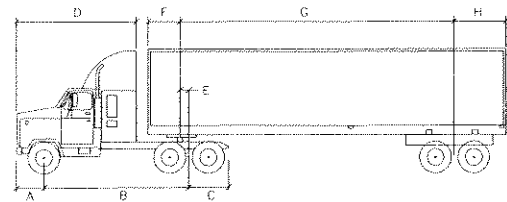
edge of asphalt

US-1

WOT

RECEIVED
MAY - 2 2006
MONROE CO. PLANNING DEPT.

WB-50 - DETAIL



Description	WB-50 Ft.	WB-50m M
A - Tractor Front	3.0	0.9
B - Tractor Wheelbase	18.0	5.5
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Minimum Turning Radius	40.7	12.4

NORTH

✓ A = 320.67'

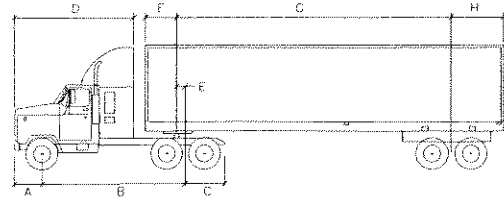
70.37'

edge of asphalt

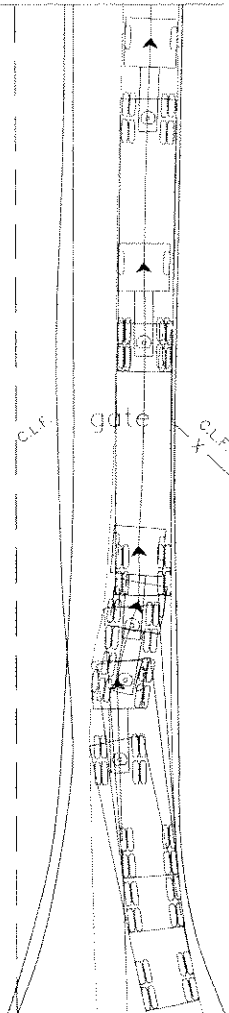
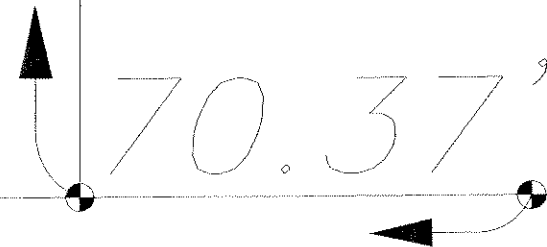
US-1

RECEIVED
MAY - 2 2006
MONROE CO. PLANNING DEPT.

WB-50 - DETAIL



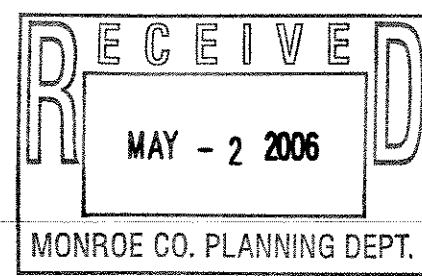
Description	WB-50	WB-50rn
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Minimum Turning Radius	40.7	12.4



$$A = 320.67'$$

edges of asphalt

US-1



Petrick-Nicole

24003

From: Raj_Shanmugam@URSCorp.com
Sent: Tuesday, January 31, 2006 3:13 PM
To: Dacquist-David; Joulani-Aref; Feagin-Clarence
Cc: Petrick-Nicole
Subject: Rockland Key Solid Waste Station

David/Aref/Clarence,

I reviewed the Level I traffic study prepared by TAP for the proposed relocation of Solid Waste Station from Stock Is. to Rockland Key. The report adequately addresses the traffic impact related to this project.

I also reviewed the site plan prepared by CH2MHILL, dated 11/28/05 and noticed lack of information required to perform our traffic review. As a minimum the site plan needs to show how the access connection will be established between the site driveway and the adjacent public street. The traffic study indicates that the access connection will be to Calle Uno. The details should include but not limited to design vehicle maneuverability at the site driveway. Due to the frequent use of large vehicles, similar details are required for the intersection of US 1/Calle Uno.

Please let me know if I can be of further assistance.

Rajendran Shanmugam, P.E.
URS Corporation Southern
5100 NW 33rd Avenue, Suite 150
Fort Lauderdale, Fl 33309
Tel: 954.739.1881
Fax: 954.739.1789

This e-mail and any attachments are confidential. If you receive this message in error or are not the intended recipient, you should not retain, distribute, disclose or use any of this information and you should destroy the e-mail and any attachments or copies.



Jeb Bush
Governor

Department of Environmental Protection

South District
P.O. Box 2549
Fort Myers, Florida 33902-2549

Colleen M. Castille
Secretary

December 15, 2005

Owen Trepanier
Owen Trepanier & Associates, Inc.
P.O. Box 2155
Key West, Florida 33045-2155

RE: Monroe County – SW
City of Key West
Solid Waste Transfer Station–Rockland Key

Dear Mr. Trepanier:

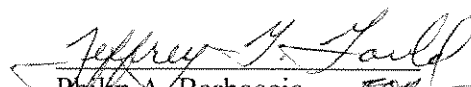
This correspondence is in response to your letter (dated November 17, 2005 and received November 21, 2005) requesting the review of submitted materials with comments forwarded to yourself and the Monroe County Planning Department.

If the material submitted for review is for the determination of whether or not a Solid Waste Transfer Station can be sited and/or permitted on the proposed property, the information is insufficient. Determination of whether a transfer station can be permitted on any site is dependent on a submitted permit application and supporting documentation for the Department's review. For example, if the application does not demonstrate compliance with the solid waste prohibitions, Section 62-701.300 and the Airport Safety requirements, Section 62-701.320(13) of the Florida Administrative Code (F.A.C.), this application cannot be approved. A copy of these sections is enclosed.

The application review process allows for the determination whether the proposed transfer station meets the requirements of the regulations. Without this, the Department is not in a position to render any comments concerning the material submitted.

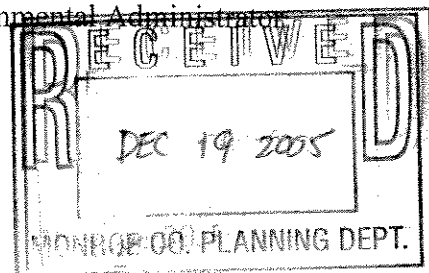
Should you need further assistance, please call Ghous Minhaj or Mel Reinhart at (239) 332-6975, extension 185 and 104 respectively.

Sincerely,


Philip A. Barbaccia
Environmental Administrator

Enclosure
PAB/GAM/MHR/se

cc: ✓ Nicole Petrick, Monroe County (w/enclosure)
Ed Russell, DEP (w/enclosure)
Ghous Minhaj, DEP "More Protection, Less Process"



Nicole / file

GROWTH MANAGEMENT DIVISION

2798 Overseas Highway
Suite 400
Marathon, Florida 33050
Voice: (305) 289-2500
FAX: (305) 289-2536



BOARD OF COUNTY COMMISSIONERS

Mayor Dixie M. Spehar, District 1
Mayor Pro Tem Charles "Sonny" McCoy, District 3
George Neugent, District 2
David P. Rice, District 4
Murray E. Nelson, District 5

July 19, 2005

Owen Trepanier & Associates, Inc.
Land Use Planners and Development Consultants
P.O. Box 2155
Key West, FL 33045-2155

**SUBJECT: PRE-APPLICATION MEETING LETTER OF UNDERSTANDING
FOR THE DEVELOPMENT OF THE KEY WEST SOLID WASTE
TRANSFER STATION ON ROCKLAND KEY**

Dear Mr. Trepanier:

Pursuant to Section 9.5-43 of the Monroe County Code, this document shall constitute a letter of understanding. On June 28, 2005, a pre-application conference regarding the subject property was held in the Monroe County Planning Department in Marathon.

Attendees at the meeting included Owen Trapanier, Consultant (agent for the applicant), E. David Fernandez, Utilities Director and R.B. Havens, Plant Manager for the City of Key West Jim Hendrix, Attorney (attended through conference call), Andrew Smyth, Office Manager for CH2MHill (collectively referred to as the "Applicant"), and Andrew Trivette, Senior Biologist, Aref Joulani, Senior Administrator of Development Review and Design, and Clarence Feagin, Senior Planner (hereafter collectively referred to as "Staff" for the Planning Department).

Materials presented prior to the meeting included:

- a.) Boundary survey for Govt. Lots 5 & 6, S21, T67S, R28: Real Estate No. 00121980-000500; and
- b.) Permitting history on the property described in a.) above: Permit Numbers 04102818, 03102694, 02102733, 01102446, 98101072, 98100914, and 97100664; and
- c.) A site plan for the proposed development of the Key West Solid Waste Transfer Station at the property described in a). above; and
- d.) A revised Pre-Application Conference Request Form, which included a new site plan, boundary survey, legal description, and property record card for a parcel which is different

City of Key West
Rockland Key Solid Waste Transfer Station

than the original site proposed for the Transfer Station as referenced in a.) above. The new site is located approximately 1,000 feet West of the original site proposed for development. The legal description of the new parcel proposed for development is: A Portion of Government Lot 7, Section 21, Township 67 South, Range 26 East, Rockland Key. The reasons stated in the agent's cover letter for relocating the project further West of the original site are geotechnical issues that severely affect the project.

Materials presented at the meeting included:

- a.) Boundary Survey Map of the new site proposed for development, legally described as A Portion of Government Lot 7, Section 21, Township 67 South, Range 26 East, Rockland Key; and
- b.) Revised site plan of the Key West Solid Waste Transfer Station at the new location.

At the pre-application meeting the following items were discussed:

- 1.) The City of Key West proposes to develop a solid waste transfer station (SWTS). The SWTS facility will include a transfer building, office, maintenance building, truck platforms, scale house, and storm water management systems.
- 2.) The parcel proposed for development is to be subdivided from a larger parcel legally described as Section 21, Township 67 South, Range 23 East, ROCKLAND KEY PT LOTS 5-6 & 7 & ADJ PARCEL, OR1580-1638/40 OR2072-1706/1707Q/C (Real Estate Number 00122080-000100).
- 3.) The parcel proposed for development is located on Rockland Key and is legally described as: A portion of Government Lot 7, Section 21, Township 67 South, Range 26 East, Rockland Key. The size of the new parcel was not provided, but will be required during the permitting process, in order to apply the appropriate floor-to-area ratios for the Industrial land use district.
- 4.) The applicant was informed that Monroe County may not be able to issue a permit for the construction of the SWTS, because the parcel they are proposing to develop is not an approved, platted lot. The applicant was informed that the division of the parcel identified as Real Estate Number 00122050-000100 and the conveyance of a subdivided parcel from the land owner to the City of Key West, which is not approved as a platted lot under the regulations of the Monroe County Code, confers no right to develop the subdivided parcel for any reason. According to the provisions of **DIVISION 4. PLAT APPROVAL, Section 9.5-81: Plat approval and recording required**, of the Monroe County Land Development Regulations, and **Appendix A., ARTICLE XII. SUBVIDISIONS AND PLATS**, of the Monroe County Code, no building permit shall be issued for the construction of any building, structure or improvement unless the owner of the land, from whom the City of Key West is buying a subdivided parcel, has a final plat approved in accordance with those provisions,

and recorded for the lot on which the City of Key West is proposing to construct a Solid Waste Transfer Station.

The applicant was informed that they should encourage the land owner, from whom they are purchasing a parcel for development, to apply for subdivision and plat approval of their land immediately, and that the applicant should simultaneously seek Major Conditional Use approval from the Planning Commission, and then, if approved, apply for building permits to construct the SWTS.

5.) Reclamation and Restoration of land may be required, pursuant to the covenants of a Settlement Agreement (Case No. 90-923) between the State Department of Community Affairs (DCA) and previous owners of the land from which the City of Key West is contemplating purchasing a parcel for the construction of a Solid Waste Transfer Station. The Applicant should be aware that the provisions and covenants of the DCA Settlement Agreement may run with the land and apply to subsequent land owners who purchase land subdivided from the Rockland or Big Coppitt Quarry sites.

6.) The parcel proposed for development is located in the Industrial (I) land use category of the Comprehensive Plan's Future Land Use Map (FLUM) and the Industrial District (I) of the Land Development Regulation's Land Use District Map, the purpose of which is to provide for the development of industrial, manufacturing and, warehouse and distribution uses. The following floor-to-area ratios apply to the Industrial Land Use District (Section 9.5-269):

LAND USE DISTRICT INDUSTRIAL:	Maximum Floor-to-Area Ratio
<i>Heavy Industry</i>	<i>0.25</i>
<i>Offices</i>	<i>0.40</i>

7.) On the site proposed for development there is no lawfully established use of land as a solid waste transfer station. The proposed activities described by the applicant for the SWTS are consistent with Heavy Industrial uses, which are required to be permitted as a Major Conditional Use. Previously, the parcel proposed for development was used in association with Resource Extraction activities and permitted for Excavation and Reclamation (permit # 021-2733), which requires permitting as a Major Conditional Use. When the applicant applies for Major Conditional Use approval to construct the Solid Waste Transfer Station, the current permit holder will have to apply for an amendment to a Major Conditional Use to modify the permit, as resource extraction land uses conditioned with certain excavation and

reclamation requirements are discontinued and replaced with the heavy industrial land uses of the Solid Waste Transfer Station.

8.) The site plan submitted by the applicant indicates the use of ingress/egress easements across adjoining properties, in order to obtain access to and from US Highway 1.

9.) The site proposed for development is in Zone C3 of the Air Installation Compatible Use Zone (AICUZ) of Naval Air Station Key West. The AICUZ is an adopted Overlay Land Use District of the Land Development Regulations. Zone C3 is an accident potential zone with high noise impact. Industrial land uses in Zone C3 have no development restrictions, according to the AICUZ study dated 1977. Recently, however, a new AICUZ study has been completed, which has not been formally adopted by Monroe County. Nevertheless, and a representative of NAS Key West will need to provide the Planning Commission or Staff with comments as to the applicability of any new restrictions which may come to bear on the proposed development, as a result of the new AICUZ study.

10.) Prior to submittal of a building permit application, the applicant will provide the following permits and/or coordination letters as necessary from the Fire Marshall, South Florida Water Management District, Florida Department of Health, Florida Department of Environmental Regulation, FCAA, US Fish and Wildlife Service, Florida Department of Transportation, and the National Environmental Protection Agency, FKEC, and Keys Energy Services.

11.) The applicant will provide Staff with a traffic impact analysis of the proposed development that will address, but not be limited to, impacts on the Level of Service (LOS) of US Highway 1. The traffic impact analysis submitted by the applicant will be reviewed by the County Traffic Engineer.

Monroe County's traffic circulation objective is to ensure that all roads have sufficient capacity to serve development at adopted levels of service standards concurrent with the impact of development. Monroe County has a policy to not permit new development which, in combination with all other development, would significantly degrade the LOS below the adopted LOS standard. The adopted level of service standard for US 1 is LOS C.

Traffic generated from the project area may affect the level of service (LOS) on segments 2 and/or 3 of US Highway 1. The year 2004 LOS on segment 2, between mm 5.0 and mm 9.0 was LOS A, and expected to maintain LOS A through the year 2005. However, the year 2004 LOS on segment 3, between mm 9.0 and mm 10.5 was also LOS C, but expected to degrade to LOS D in the year 2005 (URS Corporation. 2005. US 1 Arterial Travel Time and Delay Study for Monroe County, Ft Lauderdale, FL. *DRAFT*).

12.) The property is in the AE (10) Flood Zone. All structures will be built to standards that meet or exceed those of the Monroe County Code for flood protection (**Section 9.5-317, LDRs**).

13.) The highest part of any building or landfill will not exceed 35 feet above grade (Section 9.5-283, and Policy 101.4.24). The definition of "grade" is the average height of any natural elevation on the ground surface, prior to construction, next to the proposed walls of a structure, or the crown or curb of the nearest road, whichever is higher (Section 9.5-4 (G2)). Roads used as "grade" must be adjacent to the land proposed for development. US Highway 1 cannot be used to establish grade and determine height of buildings at the site proposed for development, because it is not adjacent to the property. Therefore, height will be measured from the natural elevation of the site, next to the proposed walls of buildings or landfill, prior to construction or placement of fill.

14.) The proposed Key West Solid Waste Transfer Station on Rockland Key could be utilized as a critical facility for debris removal and storage after a hurricane.

15.) The required number off-street parking spaces are: 2.5 spaces per 1,000 square feet of gross floor area for industrial uses, and 3.0 spaces per 1,000 square feet of gross floor area for office uses (Section 9.5-351).

16.) The minimum yard requirements, pursuant to Section 9.5-281, are 25 feet for the front yard, 10 feet for one of the side yards and 5 feet for the other, and 25 feet for the rear yard. The total width of two combined side yards between buildings on adjacent parcels will be a minimum of fifteen feet.

17.) The applicant was informed that no buffering of the site is specifically required by Monroe County Code. However, the applicant indicated that a landscape plan would be submitted as part of any application for development. Staff remarked that the addition of a landscape plan including xeriscape principals would make the project more palatable.

18.) The applicant was informed that a stormwater management plan would be required as part of any application for development and that this plan must be approved by the South Florida Water Management District or the Monroe County Engineer or Biologist.

19.) The applicant was informed that this project must include a solid fence or wall at least six (6) feet in height around all outdoor storage areas. The applicant submitted a draft site plan which does include a fence around the entire site.

If this property is subject to a conditional use approval, the Planning Commission is empowered under Section 9.5-63 to modify or deny any application based on their review of the appropriateness of the proposed development within the context of surrounding properties and compliance with the LDRs and 2010 Comprehensive Plan. In Section 9.5-65 the Planning Commission and the Planning Director are required to consider all aspects of the development, impacts on the community and consistency with the goals, objectives and standards of the plan and LDRs before granting conditional use approval, approval with conditions or denial of a project. Therefore, the intensities, densities and possibilities for setback waivers detailed in this LOU are subject to the Planning Commission and/or the Planning Director conditional use review and approval.

Pursuant to Section 9.5-43 of the Monroe County Land Development Regulations (LDRs), you are entitled to rely upon the representations set forth in this letter of understanding as accurate under the regulations currently in effect. This letter does not provide any vesting to the existing regulations, if the Plan or LDRs are amended the property and/or project will be required to be consistent with all goals, objectives and standards at the time of development approval. The Planning Department acknowledges that all items required as a part of the application for development approval may not have been addressed at the June 28, 2005 meeting, and consequently reserves the right for additional department comment. The information provided in this letter may be relied upon, with the previous disclaimers, for a period of three years. The Planning Director upon the request of the landowner may review and reaffirm the representations set forth in this letter for an additional period of time.

We trust that this information is of assistance. If you have any questions regarding the contents of this letter, or if we may further assist you with your project, please feel free to contact our Marathon office at (305) 289-2500.

Sincerely yours,



K. Marlene Conaway, Director
Department of Planning and Environmental Resources

cc: Ervin Higgs, Property Appraiser
Timothy J McGarry, AICP, Director of Growth Management
Elizabeth LaFleur, Director, Lower Keys Island Planning Team
Aref Joulani, Sr. Administrator of Development Review
Dr. Clarence Feagin, AICP, Sr. Planner
Andrew Trivette, Sr. Biologist
Ralph Gouldy, Sr. Administrator of Environmental Resources
Ronda Norman, Director of Code Enforcement

End of Additional Information

#26003

TREPANIER & ASSOCIATES, INC.

Land Use Planning & Development Consultants

1026 Thomas Street
P.O. Box 2155, Key West, FL 33045-2155
305-293-8983 ph
305-293-8748 fx
mailto:owentrepianier.com

TO:

Ms. Nicole Petrick

FROM:

Owen Trepanier

COMPANY:

Monroe County Planning Department

DATE:

1/5/2006

RE:

Key West Solid Waste Transfer Station

REFERENCE NUMBER:

C106

☐ Urgent ☐ For Review ☐ Please Comment ☐ Please Reply ☐ Please Recycle

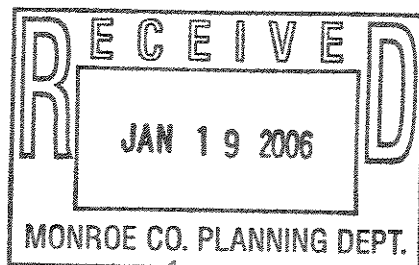
NOTES/COMMENTS:

The following is an application for an Amendment to a Major Conditional Use for the City of Key West's proposed Solid Waste Transfer Station on Rockland Key. We are submitting the following:

- 1 original application
- 1 standalone copy of the traffic study
- 2 sets of signed and sealed plans
- 14 copies of the signed and sealed plans
- 1 set of mailing labels of all property owners within 100 feet
- Application fee in the amount of \$6,858.00 calculated as follows:

Application Fee - Amendment to a Major Conditional Use:	\$6,020.00
Fire Marshal Fee	\$50.00
\$245.00 for each newspaper advertisement x 3	\$735.00
\$3.00 for each property owner noticed	\$33.00
Technology fee for records conversion, storage, and retrieval	\$20.00
Total	\$6,858.00

Please call if you have any questions or need additional information.
Thank you.



City of Key West – Solid Waste Transfer Station

Rockland Key

Amendment to Major Conditional Use

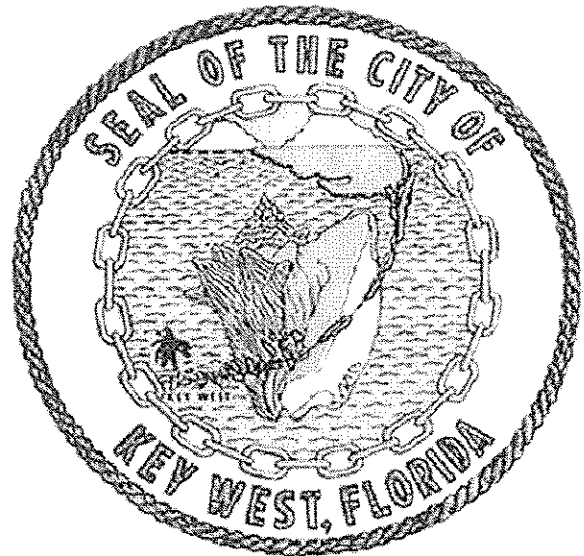
Critical Public Infrastructure

Post Hurricane Recovery Site

Advanced Solid Waste Handling

Industrial Traffic Reorientation

Improved Airspace Safety



PREPARED BY:

TREPANIER & ASSOCIATES, INC.

LAND USE PLANNERS & DEVELOPMENT CONSULTANTS

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www.OwenTrepanier.com

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MONROE COUNTY PLANNING DEPARTMENT

APPLICATION FOR AN AMENDMENT TO A CONDITIONAL USE APPROVAL

Application Fee: Amendment to a Major Conditional Use: \$6,020.00

Amendment to a Minor Conditional Use \$4,570.00

\$50.00 Fire Marshal Fee

\$245.00 for each newspaper advertisement x 3

\$3.00 for each property owner noticed

**\$20.00 technology fee for records conversion, storage, and
retrieval**

All information must be completed in full before the application can be processed by the Planning Department. If you have any questions, please contact the Planning Department office closest to you.

- 1) PROPERTY OWNER(S): Rockland Key Operations, LLC

Mailing Address: 317 Whitehead Street, KW, FL 33040

Phone Number: (Home) _____ (Work) 296-5676 (Fax) 296-4331

- 2) AGENT NAME/TITLE: Owen Trepanier

Firm: Trepanier & Associates, Inc.

Address: P.O. Box 2155, Key West, FL 33045-2155

Phone Number: (Home) _____ (Work) 293-8983 (Fax) 293-8748

- 3) Development Order or Resolution being amended: # NA

Date Recorded: _____ (please attach copy)

- 4) LEGAL DESCRIPTION OF THE PROPERTY:

Lot: PT GOVT Lots 5, 6 & 7 Block: _____ Subdivision: _____

Key: Rockland Mile Marker: 9

If in metes and bounds, attach a legal description on separate sheet.

- 5) Land Use Designation: Industrial

- 6) Real Estate Number(s): 00122080-000100

- 7) Street address of property if applicable, and general location description: NA

8) PROPOSED CHANGE: To permit a City of Key West run Solid Waste Transfer Station

A) Is a time extension being requested? (Yes) _____ (No) X

If Yes, from _____ to _____

B) Is the Site Plan being revised? (Yes) _____ (No) X

If yes, attach the approved site plan, a revised site plan, and list below all proposed changes.
Please give a reason for each change:

There is no current site plan. This will be the first plan for the property.

C) Other: (Describe) _____

9) Please attach the necessary documents per **Attachment "A"**.

10) If the supporting data such as blueprints or surveys are larger than 8 1/2 x 14 inches, the applicant shall submit sixteen (16) copies of each.

11) Photograph of subject property.

I certify that I am familiar with the information contained in this application, and that to the best of my knowledge such information is true, complete and accurate.

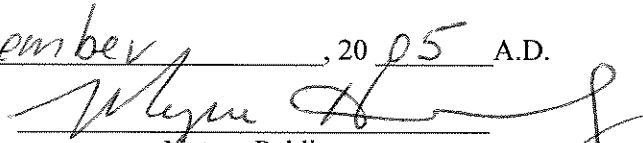


Signature of Applicant or Agent

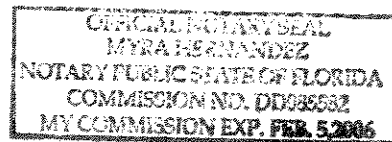
11-30-05

Date


Sworn before me this 30th day of November, 20 05 A.D.



Notary Public
My Commission Expires



THE CITY OF KEY WEST		POST OFFICE BOX 1409, KEY WEST, FLORIDA 33041			
DATE	INVOICE	DESCRIPTION	PD	AMOUNT	
12/20/2005		APPLICATION FEE CONSULTING SERVICES	052174	6,858.00	
				TOTAL	6,858.00

		THE CITY OF KEY WEST OPERATING ACCOUNT POST OFFICE BOX 1409 KEY WEST, FLORIDA 33041		FIRST STATE BANK OF THE FLORIDA KEYS KEY WEST, FLORIDA 33040 63-43 870		077094
VENDOR NUMBER 432		DATE 12/30/2005		CHECK NUMBER 77094		NET AMOUNT \$*****6,858.00
SIX THOUSAND EIGHT HUNDRED FIFTY EIGHT AND 00/100 DOLLARS *** <i>[Signature]</i> ***						
PAY TO THE ORDER OF MONROE COUNTY BOARD OF COUNTY COMM 1100 SIMONTON ST ROOM 2-256 KEY WEST FL 33040						
TWO SIGNATURES REQUIRED		NP				

"897E060070 020090316B"

ATTACHMENT A

The following documents may be required to be submitted with your application; please consult with a Planner. Photographs of the site will be necessary in all cases.

I. GENERAL

- a) Photographs of site; looking N, E, S & W from perimeters of property and from road;
- b) A copy of the official plat, if the proposed development is in a platted subdivision;
- c) A survey prepared by an engineer or surveyor currently registered in Florida, containing his/her seal and signature. Indicate all existing structures, paved areas, location of all utility structures, bodies of water, docks, piers, existing grade and mean high water line;
- d) A vegetation survey or habitat analysis, if applicable;
- e) A landscape plan:
 - 1. A scale of 1 inch = 20 feet, one acre or more 1" = 40 feet;
 - 2. Property lines;
 - 3. Dimensions;
 - 4. Structures;
 - 5. Existing natural features;
- f) Drainage plan showing final site grading with existing proposed topography prepared by a registered engineer, currently licensed in Florida, in accordance with the drainage ordinance;
- g) Elevation drawings of all structures (existing and proposed) with elevation referenced to USGS datum of the following features: existing ground surfaces finished grades, top of foundation, floor elevation, roofline and highest point of the structure;
- h) Traffic study (if applicable) in accordance with the Traffic Study Handbook;
- i) Phasing schedule (if applicable).

II. SITE PLAN

- a) A scaled site plan (at a minimum scale of 1" = 20 feet for projects of less than one acre; 1" = 40 feet for projects of one acre or more) including, but not limited to, the following requirements:
 - 1. Dimensions of the property and of all existing and proposed structures. Include all adjacent property and roadways on site plan and outside dimensions of entire parcel;
 - 2. Setbacks;
 - 3. Parking and loading zone locations and dimensions;
 - 4. Landscape plan and any open space preservation areas;
 - 5. Improvements for the handicapped according to the state requirements;
 - 6. Calculations for open space ratios, floor area ratios, density and parking;
 - 7. Outdoor lighting location and type;
 - 8. Mean high-water line and shoreline;
 - 9. Square footage and location of wetlands, including mangroves;
 - 10. Provisions for solid waste separation, storage and removal.

III. Conceptual Floor Plans - scale 1/4" = 1'.

IV. Section Drawing of the Building from N, S, E & W.

V. TYPED NAME AND ADDRESS MAILING LABELS of property owners within a 300 feet radius of the subject property. This list should be compiled from the current tax rolls located in the Property Appraiser's Office. Also, please provide the listing of the names, subdivision name, lot and block # and the RE #'s for each address and note those that are adjoining the property. Adjoining lots are not disrupted by a canal or street. When a condominium is adjoining the property within the three hundred (300) feet, each unit owner must be included.

VI. Letters of Coordination with local, regional, state and federal agencies may be required for development; some or all of the agencies listed below may be included in the development review. *(A list of contact people, phone numbers and addresses is available on request at each Planning Department office.)* Please consult with a Planner to determine which coordination is needed for your proposal.

- a) Florida Keys Aqueduct Authority (FKAA)
- b) Florida Department of Health and Rehabilitative Services (HRS)
- c) Florida Keys Electric Cooperative (FKEC)
- d) Fire Marshall
- e) Florida Department of Transportation (FDOT)
- f) South Florida Water Management District (SFWMD)
- g) Florida Department of Environmental Protection (FDEP)
- h) Florida Game and Freshwater Fish Commission (FGFWC)
- i) U.S. Army Corps of Engineers (ACOE)
- j) U.S. Fish and Wildlife Services (USFW)

Narrative

The City of Key West is proposing to construct and operate a Class I solid waste transfer station (SWTS) located on this scarified 4-acre lot on Rockland Key. Currently, the site is operating as a Major Conditional Use Resource Extraction operation. The City intends to amend that conditional use to allow the SWTS to be located on this site.

Currently the City owns two solid waste handling facilities: the Ash Transfer Station and the defunct Southernmost Waste-to-Energy Facility (SWTE Facility). The SWTE Facility has been converted into a temporary transfer station to handle the City's solid waste until the new transfer station can be constructed and put into operation. The Ash Transfer Station and the WTE Facility will cease operations and close when the new transfer station begins operation. In addition, the City continues to maintain the closed Stock Island Landfill.

Currently, the solid waste produced by the City, and the U.S. Navy, is collected and deposited at the SWTE Facility that is serving as a temporary SWTS. However the facility is not designed to operate as such and therefore does not operate effectively or efficiently. The new transfer station will allow waste to be screened prior to disposal in a fully enclosed facility, thereby granting flexibility in selecting waste disposal options, and an opportunity to serve as a convenient center for public use. Ultimately, the solid waste will be handled and disposed by Waste Management, through an existing contract with the City.

The new facility will be designed according to the most current DOT, DEP, SFWMD and building Code requirements. The facility will be designed to prevent spillage and leakage of the trash leachate into the environment. The facility will collect all leachate, which will be transported off site to a licensed disposal facility.

The facility will consist of:

- A transfer building, where the local trucks will dump their trash loads, the trash will be sorted, and loaded into the tractor trailers for overland transport out of the Keys.
- A maintenance shop will house the machine shop, tools, welders, etc. needed to maintain the facility.
- A scale house tracks all transfer activity and controls access to and from the site.
- An operations office will share the same building as the maintenance shop and will house the administrative staff.
- A customer drop off area where private individuals may bring debris and recyclables to deposit at the SWTS to deposit in covered containers.
- Leachate holding tanks to collect and hold for pumping all wastewater generated by the facility to a transfer vehicle to a waste water treatment facility.
- A stormwater management system designed to hold and drain all stormwater collected onsite.

Site Characteristics

This filled, vacant, scarified property currently used for resource extraction (sand and gravel borrow pits), is located approximately 1,700 ft north of US 1 at mile marker 9 on Rockland Key. There is no natural habitat or hammock on the site nor is the site adjacent to any bodies of water. The site is zone Industrial as is all adjacent lands.

		Permitted/Required	Proposed
Zoning		Industrial	No Change
Site Size (sq. ft.)		174,468.14	No Change
Height		35	35
Set Backs:	Front	25	25
	Side	10/15	10/15
	Rear	25	25
Open Space		0%	52%
FAR		.400	.165
Impervious Area		--	82,347
Parking		11.6	15

Consistency Statement

Sec. 9.5-65. Standards applicable to all conditional uses.

- (a) The City of Key West proposes a Solid Waste Transfer Station (SWTS) consistent with the purposes, goals, objectives and standards of the County Comprehensive Plan chapter 3.8.
- (b) The immediate character of the area is vacant scarified industrially zoned land and active resource extraction. The proposed SWTS is consistent with the community character of the immediate vicinity of the parcel proposed for development.
- (c) The design of the proposed development minimizes adverse effects, including visual impacts, or the proposed use on adjacent properties by enclosing all commercial truck traffic, tipping and loading, and by fencing and heavily landscaping the perimeter of the site.
- (d) The SWTS will be situated within a large industrially zoned area and new road access will be created as a result, therefore the property is not likely to have an adverse effect on the value of surrounding properties;
- (e) The SWTS is critical public infrastructure. The facility will function as a post disaster recovery site for the handling of debris. Therefore as a result of this project public facilities in the lower Keys will increase. US 1 is the primary roadway serving the site and a secondary drive will be constructed to meet or exceed County requirements.
- (f) The City of Key West is experienced in the development, construction, operation & ownership of solid waste management systems.

- (g) The development will not adversely affect a known archaeological, historical or cultural resource.
- (h) Public access to public beaches and other waterfront areas will not be affected by this project.
- (i) The proposed use complies with all additional standards imposed on it by the particular provision of this chapter authorizing such use and by all other applicable requirements of the Monroe County Code.

Sec. 9.5-69. Major conditional uses.

(a) Applications for Major Conditional Uses:

- (1) If approval of a plat is required for the proposed development, an application for plat approval shall be submitted in conjunction with the application for a conditional use permit. However, a major conditional use shall not become effective until the plat has been approved by the board of county commissioners.
A Plat Application shall be filed in conjunction with this Amendment to a Conditional Use Application.
- (2) As a part of the application for major conditional use, an applicant shall be required to submit the following, except for those inappropriate to the proposed development due to the limited size or scale of the development as determined by the planning director:
 - a. An environmental designation survey consisting of:
 - (i) A plan drawn to a scale of one (1) inch equals twenty (20) feet or less, except where impractical and the planning director authorizes a smaller scale, and showing the following:
 - 1. Location of property;
Approximately 1,700 feet north of US 1, mile marker 9, Rockland Key. Please see survey.
 - 2. Date, approximate north point and graphic scale;
Please see attached
 - 3. Acreage within the property;
4.0 acres
 - 4. Boundary lines of the property and their bearings and distances;
please see survey
 - 5. Topography and typical ground cover;
Site is a vacant scarified lot.
 - 6. General surface characteristics, water areas and drainage patterns;
Scarified
 - 7. Contours at an interval of not greater than one (1) foot or at lesser intervals if deemed necessary for review purposes;
NA
 - 8. 100-year flood-prone areas by flood zone;
AE 10
 - 9. Presently developed and/or already altered areas;
NA - No developed areas
 - 10. Location of mean high-water line.
NA – No shoreline

- (ii) A natural vegetation map and/or a map of unique environmental features such as:
1. Climax tropical hardwood hammocks;
NA – Scarified site
 2. Endangered species habitats;
NA – Scarified site
 3. Major wildlife intensive use areas.
NA – Scarified site
- (iii) Aerial photographs of the property and surrounding area.
Please see attached
- (iv) A review of historical and archeological sites by the Florida Division of Archives, History and Records Management.
NA – There are no know archaeological resources at this site. It is a filled, vacant, scarified site.
- (v) A review of unique environmental features such as:
1. Climax tropical hardwood hammocks;
NA – Scarified site
 2. Endangered species habitats;
NA – Scarified site
 3. Major wildlife intensive use areas.
NA – Scarified site
- (vi) Actual acreage of specific vegetation species or other environmental characteristics.
NA – filled, scarified site
- (vii) General information relating to the property in regard to the potential impact which development of the site could have on the area's natural environment and ecology.
NA – Filled, scarified site
- (viii) Environmental resources:
1. If shoreline zones were identified, describe in detail any proposed site alterations in the areas, including vegetation removal, dredging, canals or channels; identify measures which have been taken to protect the natural, biological functions of vegetation within this area such as shoreline stabilization, wildlife and marine habitat, marine productivity and water quality maintenance.
NA – No shorelines
 2. If tropical hammock communities or other protected vegetative communities were identified, describe proposed site alteration in those areas and indicate measures which were taken to protect intact areas prior to, during and after construction.
NA – No tropical hammock
 3. Describe plans for vegetation and landscaping of cleared sites including a completion schedule for such work.
Please see attached
- (ix) Environmental resources-wildlife. Describe the wildlife species which nest, feed or reside on or adjacent to the proposed site. Specifically

identify those species considered to be threatened or endangered. Indicate measures which will be taken to protect wildlife and their habitats.

No endangered species habitat on site

(x) Environmental resources-water quality:

1. Identify any waste water disposal areas, including stormwater runoff, septic tank drain-fields, impervious surfaces and construction-related runoff; describe anticipated volume and characteristics.

Please see stormwater management plan

2. Indicate the degree to which any natural drainage patterns have been incorporated into the drainage system of the project.

NA –Site has been completely altered from natural elevations.

b. A community impact statement, including:

(i) General description of proposed development:

1. Provide a general written description of the proposed development; include in this description the proposed phases of development or operation and facility utilization, target dates for each of these, and date of completion; in addition, indicate the site size, developing staging and appropriate descriptive measures such as quantity and type of residential units, commercial floor area, tourist accommodation units, seating and parking capacities; for residential development, indicate the anticipated unit-per-acre density of the completed project;

Given the great public need for this facility, it will be developed in a single phase, with construction targeted to begin as soon as County approval is obtained.

2. Identify aspects of the project design, such as a clustering, which were incorporated to reduce public facilities costs and improve the scenic quality of the development; describe building and siting specifications which were utilized to reduce hurricane and fire damage potential to comply with federal flood insurance regulations and the comprehensive land use plan.

This project was targeted for this area due to its industrial nature and the area's lack of residential use. Additionally its location adjacent to US 1 allows efficient vehicle traffic and a reduction of heavy industrial traffic on secondary roads that service residential, medical and educational uses.

(ii) Impact assessment on public facilities and water supply:

1. Identify projected daily potable water demands at the end of each development phase and specify any consumption rates which have been assumed for the projection;

According to FCAA usage records the current facility, since the closure of the incinerator, uses, on average,

4,400 gallons of water per month. It is anticipated the proposed facility will use approximately the same.

2. Provide proof of coordination with the Florida Keys Aqueduct Authority; assess the present and projected capacity of the water supply system and the ability of such system to provide adequate water for the proposed development;

Please see attached letters of coordination

3. Describe measures to ensure that water pressure and flow will be adequate for fire protection for the type of construction proposed.

Facility fire protection shall be connected to a piping loop provided around the perimeter of the facility. The system shall be able to provide a minimum of 1,500 gallons per minute (gpm) at a residual pressure of 20 psi throughout the system; offsite pump stations should require less flow. Actual flow requirements shall be confirmed with the local fire department.

(iii) Public facilities-wastewater management:

1. Provide proof of coordination with the Florida Department of Health and Rehabilitative Services;

Please see attached letters of coordination

2. Provide projection of the average flows of wastewater generated by the development at the end of each development phase; describe proposed treatment system, method and degree of treatment, quality of effluent, and location of effluent and sludge disposal areas; identify method and responsibilities for operation and maintenance of facilities;

All wastewater will collected into leachate tanks and hauled offsite by a licensed hauler.

3. If public facilities are to be utilized, provide proof of coordination with the Monroe County Waste Collection and Disposal District; assess the present and projected capacity of the treatment and transmission facilities and the ability of such facilities to provide adequate service to the proposed development;

NA

4. If applicable, provide a description of the volume and characteristics of any industrial or other effluents.

Station wash down and other wastewater leachate collection will be provided on site through flushable and pigable drain lines. Preliminary treatment will be in the form of coarse screening, grit collection and oil/water separation. Vertical wet-pit centrifugal sump pumps shall pipe leachate into two above ground, covered, contained, stainless steel tanks totaling 20,000 gallon capacity. Leachate will then be

centrifugally pumped to tanker trucks for disposal at a properly licensed facility.

(iv) Public facilities-solid waste:

1. Identify projected average daily volumes of solid waste generated by the development at the end of each phase; indicate proposed methods of treatment and disposal;

NA

2. Provide proof of coordination with Monroe County Municipal Services District; assess the present and projected capacity of the solid waste treatment and disposal system and the ability of such facilities to provide adequate services to the proposed development;

NA

3. Comply with the requirements of section 9.5-426 of this chapter concerning any applicable traffic study.

Please see attached traffic study

(v) Public facilities-transportation:

1. Provide a projection of the expected vehicle trip generation at the completion of each development phase; describe in terms of external trip generation and average daily and peak hour traffic;

Please see attached traffic study

2. If the project site is adjacent to U.S. 1, describe the measures, such as setbacks and access limitations, which have been incorporated into the project design to reduce impacts upon U.S.

Please see attached site plan and traffic study

(vi) Housing:

NA – No housing component

(vii) Special considerations:

1. Describe the relationship of the proposed development to the comprehensive land use plan objectives and policies; also indicate relationships [between] existing or proposed public facilities plans; identify any conflicts;

Comprehensive Plan Chapter 3.8 deals with solid waste. This project furthers both the City's and the County's comp plan goals and objectives by creating an efficient, safe and environmentally sensitive solid waste system. In addition, this facility will provide critical public infrastructure for the surrounding area with regard to solid waste management and post disaster recovery.

2. Indicate any relationships of the project to special land use and development district such as airport noise and hazard zones, solid or liquid waste treatment or disposal areas;

This transfer station will be a totally enclosed facility to mitigate escaping trash, sound and odors. The facility is located within the AICUZ and NAS supports the total enclosure of the facility to prevent any

potential conflicts between airborne trash and jet engine intakes.

3. If applicable, assess the impact of the proposed development upon other adjacent or nearby municipalities or counties.
This facility will reduce environmental risks, industrial truck traffic and quality of life impacts for the North Stock Island community, including the Gerald Adams Elementary School, the County assisted living center – Bayshore Manor, Lower Keys Medical Center, the Sheriff’s office, Monroe County SPCA, Monroe County Mosquito Control, Florida Keys Community College, the residents at Sunset Marina, the residents of the Golf Course, FKAAs Pump Station

Sec. 9.5-292. Adequate facilities and development review procedures.

This property’s access is via US 1. Electrical service to be provided by Keys Energy Services. Water to be provided by FKAAs. Sewer is to be handled in conjunction with the site wastewater system and will be hauled offsite for disposal.

Sec. 9.5-293. Surface water management criteria.

Storm water management will follow best management practices as depicted on the attached storm water management plan by Perez Engineering. Storm water will be retained on site and impervious surface will be kept to a minimum.

Sec. 9.5-294. Wastewater treatment criteria.

Wastewater will be handled in conjunction with the site wastewater system and will be hauled offsite for disposal.

Sec. 9.5-304. Installation of utilities and driveways.

Utilities will be installed. All driveways will be properly permitted and sight triangles installed and maintained per code.

Sec. 9.5-305. Water supply and sanitary sewer service.

Water supply will be from FKAAs.

Sec. 9.5-307. Traffic-control signs.

All interior traffic control signs will be installed by the developer, in manner that conforms to code. Any offsite traffic control devices required as a result of this development will be installed by the developer with approval and supervision by the appropriate regulating body.

Sec. 9.5-315-317 Floodplain Management Practices

This project will conform to current Flood Plain Management standards.

Sec. 9.5-325-327 Energy and Water Conservation Standards

All water dispensers will be high efficiency conservation devices. The buildings will be constructed to conserve energy through the utilization of ceiling fans, insulation, overhangs, and canopy trees.

Sec. 9.5-336. Existing conditions map.

Please see attached survey for existing conditions.

Sec. 9.5-337-346. Habitat

It is scarified lot with invasive exotics.

Sec. 9.5-351-355 Parking.

All "business" for the facility is transacted at the "Scale House" which operates as a drive-thru, so customers do not physically park at the facility. SWTS parking is not directly addressed by MCC therefore, MCC 9.5-352(d) requires parking be defined by the most recent edition of the Institute of Traffic Engineer's Parking Generation Manual. According the manual (attached) uses similar to the proposed require 1.1 parking spaces per 1,000 sq. ft. of floor area and 1.1 space per employee. The MCC definition of a floor excludes areas used primarily for vehicles or limited storage. The majority of floor area at the SWTS consists of the "Tipping Floor" where vehicles *tip* the trash and it is stored temporarily until it is loaded into larger trucks for transport out of the County.

Therefore the total parking requirement using the Code defined technique is 11.6 spaces (2.8 spaces for the 2,550 sq. ft. of non-vehicular floor area and 8.8 parking spaces based on full staffing). The City is proposing 15 spaces and thus complies with the parking requirement.

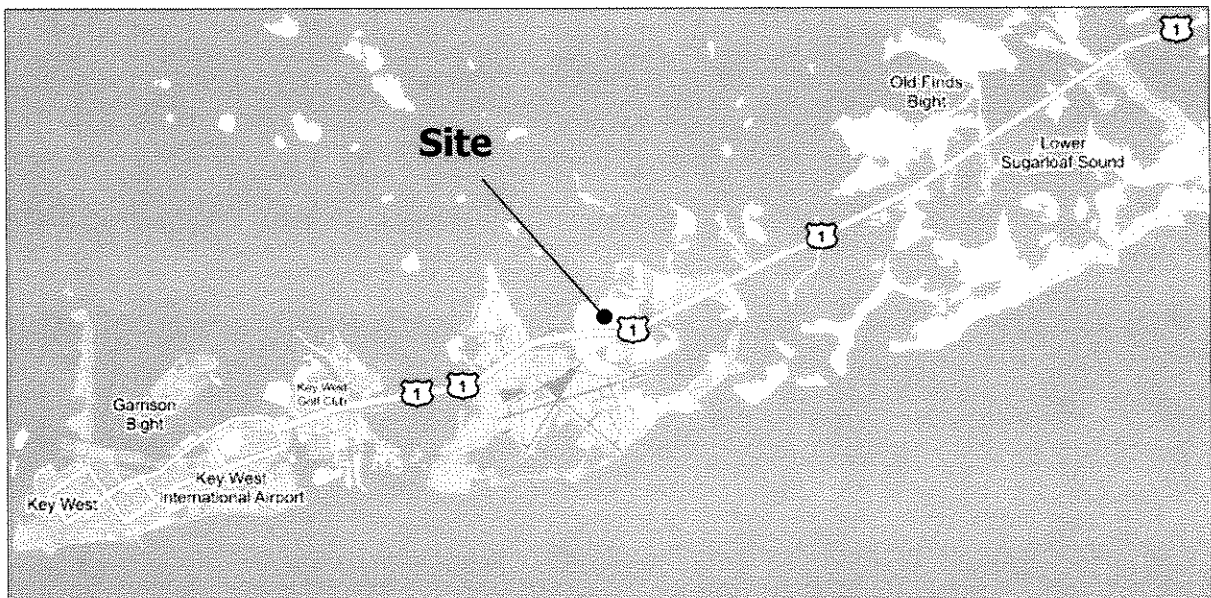
Sec. 9.5-361-381 Landscaping.

Landscaping in the I is not required - 1 canopy tree per 100 feet of street frontage.

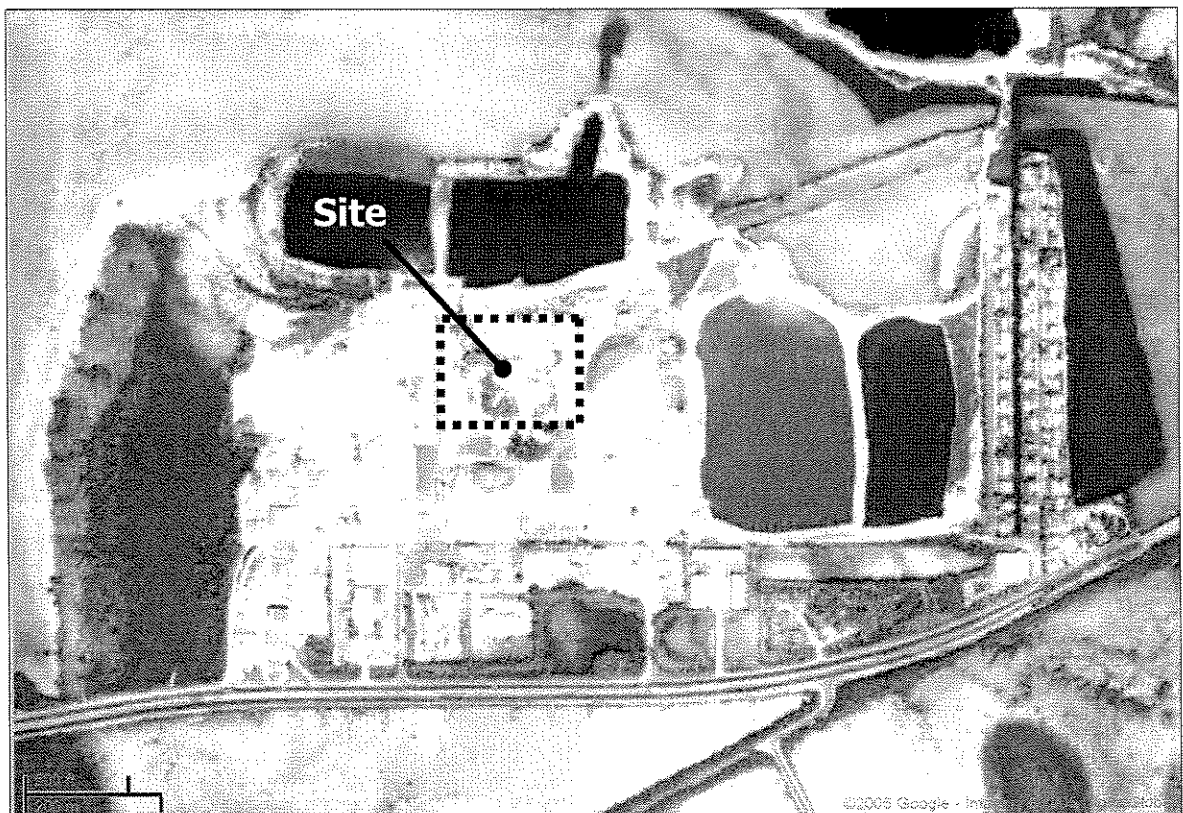
Sec. 9.5-391-395 Outdoor lighting.

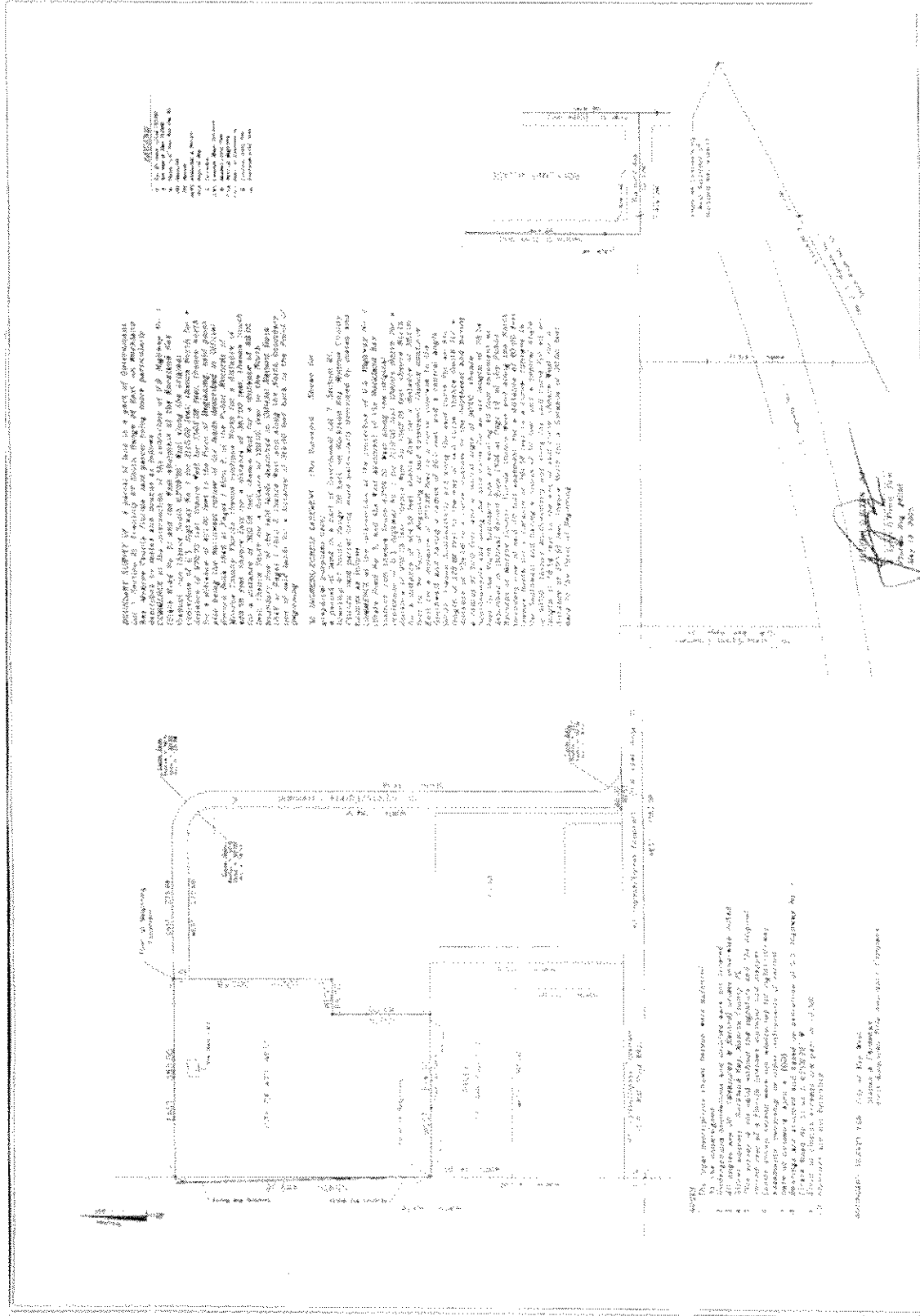
As depicted on the site plan, lighting will be low-key and restricted scope. Lighting will be sensitive to the surrounding properties. It will adequately provide the necessary lighting for the site activities, without polluting the night sky with undirected scattered light.

Location Map

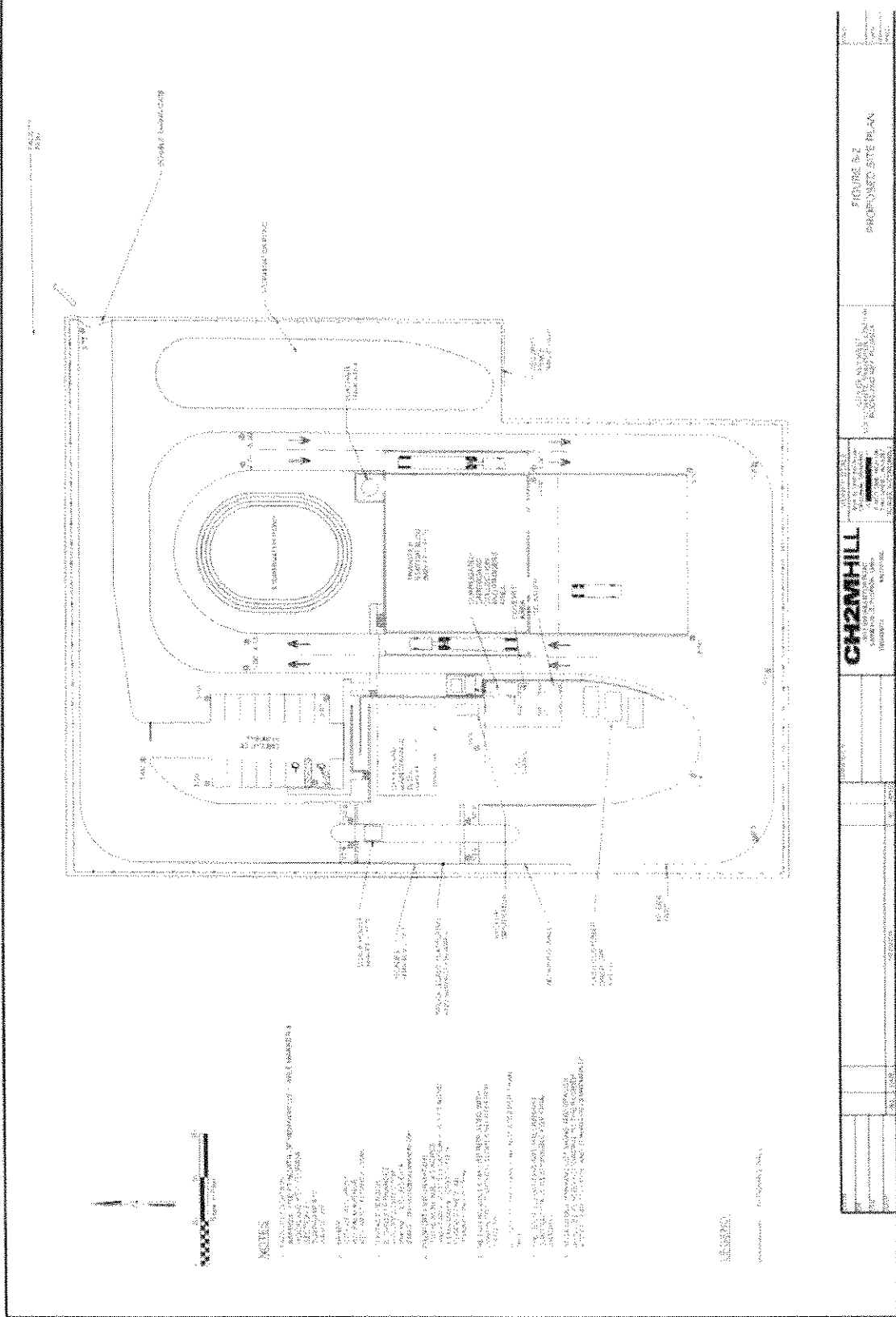


Aerial Photo





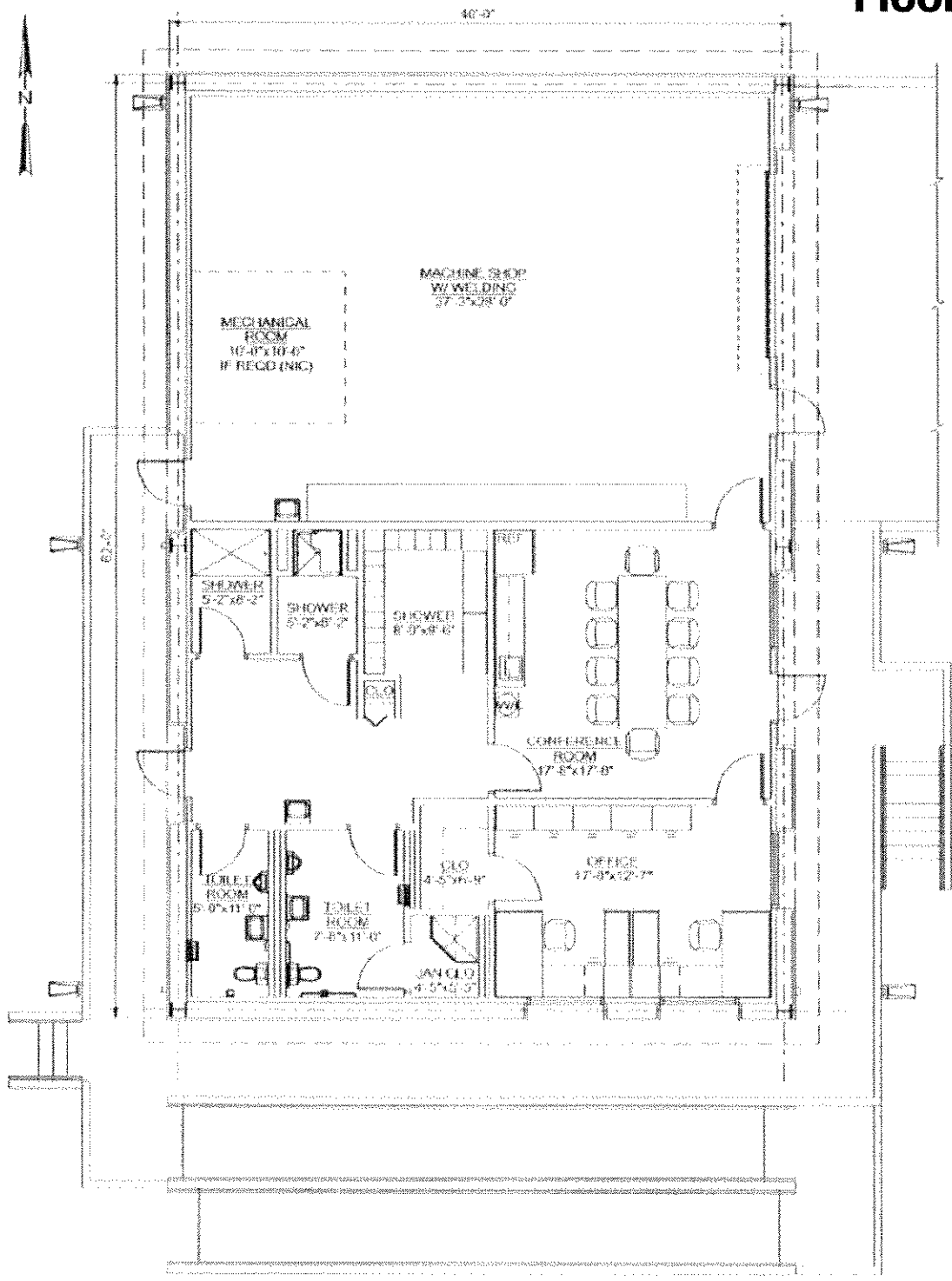
Site Plan



Vegetation

This site is a filled, scarified quarry. There is no protected habitat on site.

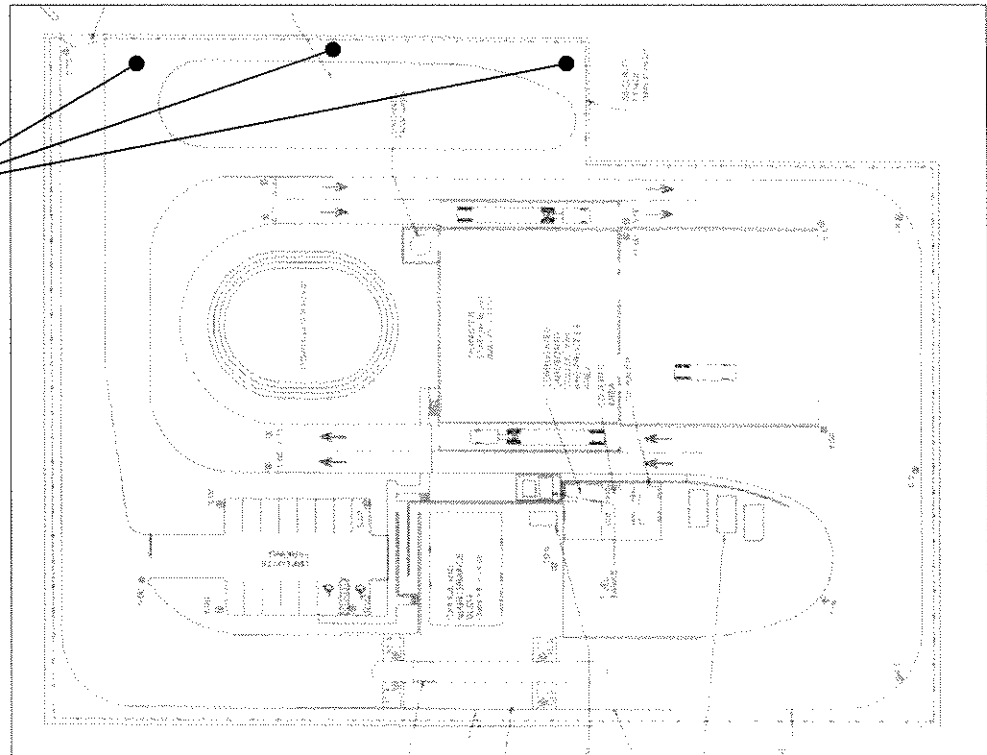
Floor Plans



Landscape Plan

Landscaping in the I is not required - 1 canopy tree per 100 feet of street frontage.

Three Street
Trees



Conceptual Drainage Plan

DRAINAGE CALCULATIONS

WATER QUANTITY - PRE DEVELOPMENT

PROJECT AREA = 4.0 Ac.
PERVIOUS AREA = 3.98 Ac.
IMPERVIOUS AREA = 0.02 Ac.
% IMPERVIOUS = 38.62%

RAINFALL FOR 25yr/24hr EVENT (P) = 9 in.
RAINFALL FOR 25yr/3day EVENT (P) = 12.23 in.

DEPTH TO WATER TABLE = 2 FT
DEVELOPED AVAILABLE STORAGE = 2.5 in.
SOIL STORAGE (S) = (2.5 IN)(1 - 0.39) = 1.53 in.

$$Q_{pre} = \frac{(P - 0.2S)^2}{(P + 0.8S)} = \frac{(12.23 - (0.2)(1.53))^2}{(12.23 + (0.8)(1.53))} = 10.56 \text{ in.}$$

WATER QUANTITY - POST DEVELOPMENT

PROJECT AREA = 4.0 Ac.
PERVIOUS AREA = 2.11 Ac.
IMPERVIOUS AREA = 1.89 Ac.
% IMPERVIOUS = 47.3%

RAINFALL FOR 25yr/24hr EVENT (P) = 9 in.
RAINFALL FOR 25yr/3day EVENT (P) = 12.23 in.

DEPTH TO WATER TABLE = 2 FT
DEVELOPED AVAILABLE STORAGE = 1.88 in.
SOIL STORAGE (S) = (1.88 IN)(1 - 0.47) = 0.99 in.

$$Q_{post} = \frac{(P - 0.2S)^2}{(P + 0.8S)} = \frac{(12.23 - (0.2)(0.99))^2}{(12.23 + (0.8)(0.99))} = 11.12 \text{ in.}$$

POSTDEVELOPMENT - PREDEVELOPMENT

$Q_{post} - Q_{pre} = 11.12 \text{ in.} - 10.56 \text{ in.} = 0.55 \text{ in.}$

VOLUME = QA = (0.55 in.)(4.0 ac) = **2.21 Ac-in**

WATER QUALITY

DRAINAGE BASIN AREA = 4.0 AC
ROOF AREA = 0.67 AC
PAVEMENT/WALKWAYS = 1.22 AC

SITE AREA FOR WATER QUALITY = 3.33 Ac.
(TOTAL AREA - (WATER SURFACE + ROOF AREA))
IMPERVIOUS AREA FOR WATER QUALITY = 1.22 Ac.
(SITE AREA FOR WATER QUALITY - PERVIOUS AREA)

% IMPERVIOUS (EXCLUDING ROOF AREA) = 36.64%

A) ONE INCH OF RUNOFF FROM DRAINAGE BASIN = **4.00 Ac-in**

B) 2.5 INCHES TIMES PERCENT IMPERVIOUS = 3.66 Ac-in

C) INDUSTRIAL USE 0.5 IN PRETREATMENT MINIMUM
(0.5 in)(4.00 Ac) = 2.00 Ac-in

2.21 AC-IN < 4.00 AC-IN

INJECTION WELL DESIGN

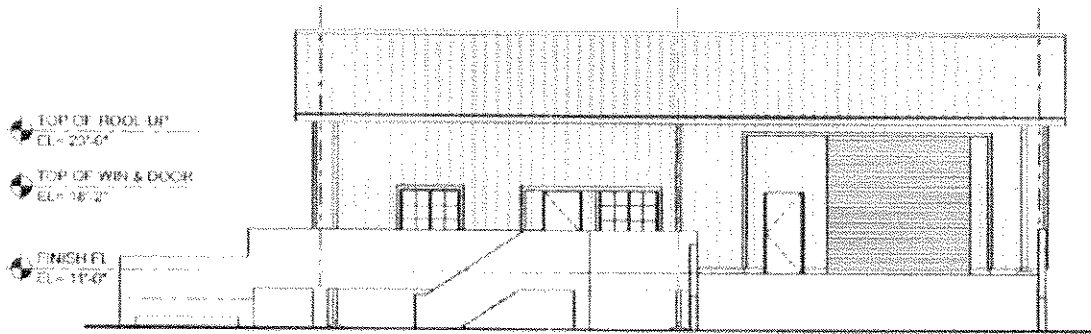
2.83 cfs > 0.618 cfs

VOLUME PROVIDED:
RETENTION POND A = 6486 CF
RETENTION POND B = 9,180.9 CF
TOTAL = 15,666.9 CF



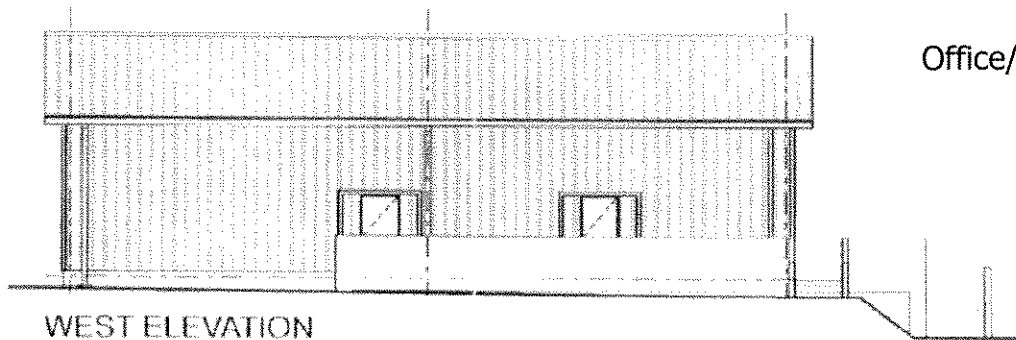
PHI (308) 202-4400 = LHM (308) JSH-0843

Elevation Drawings



EAST ELEVATION

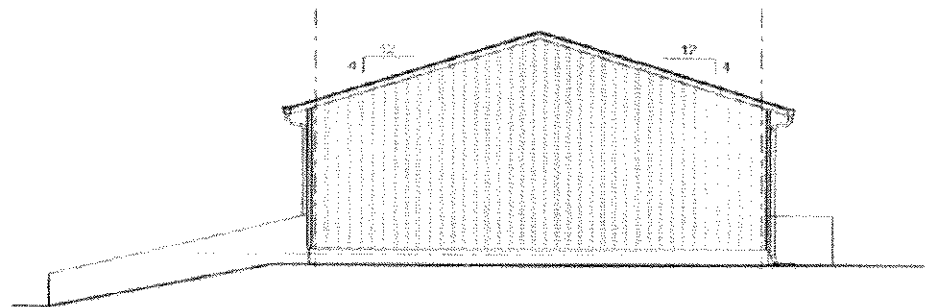
1/8" = 1'-0"



Office/Maintenance Building

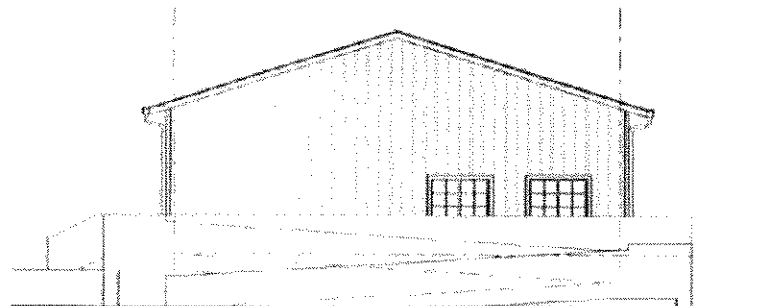
WEST ELEVATION

1/8" = 1'-0"



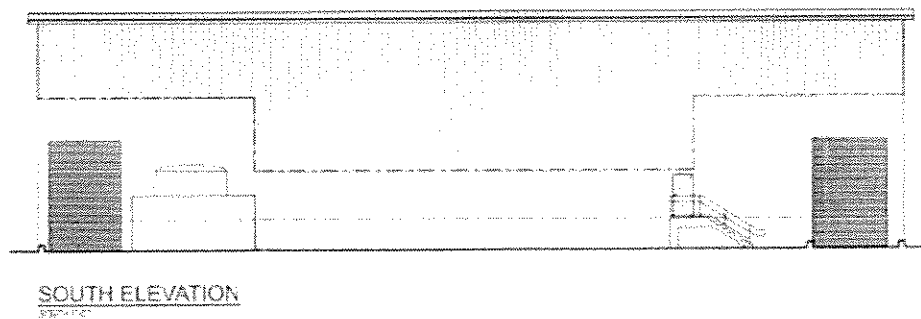
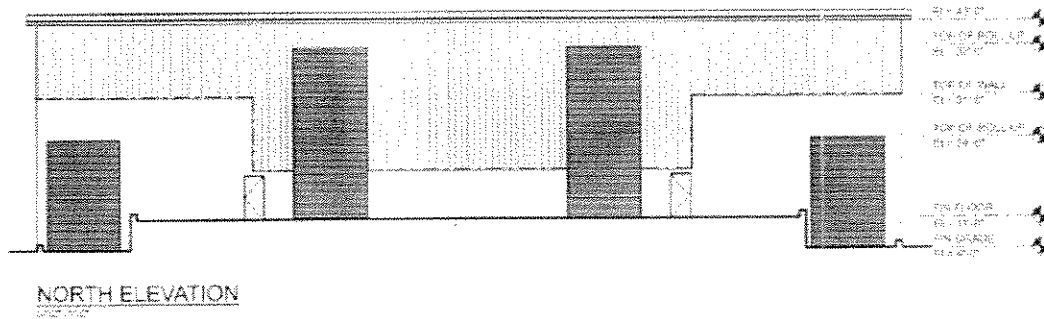
NORTH ELEVATION

1/8" = 1'-0"

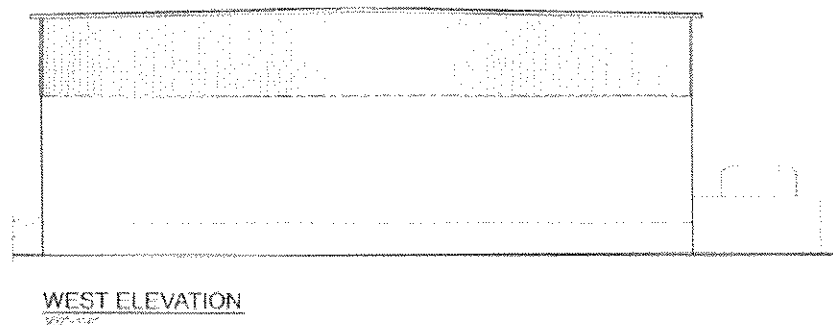
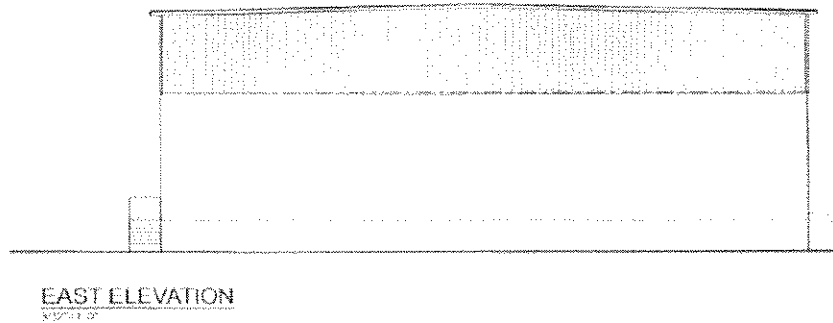


SOUTH ELEVATION

1/8" = 1'-0"



Tipping Floor



Traffic Study

Please see attached

Construction Management Plan

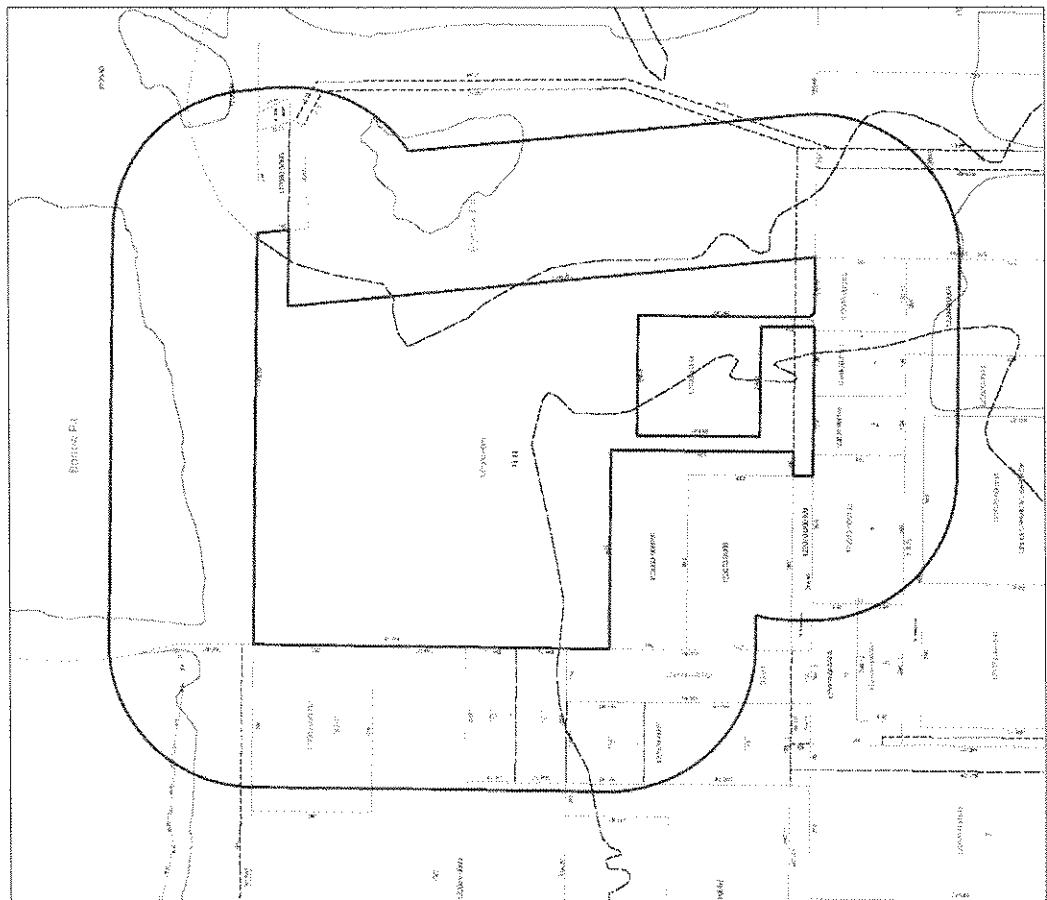
Construction will follow best management practices. Site will be fenced with no public access during construction

Construction Phasing

Construction will occur in a single phase.

Mailing Labels

Labels are attached. The following map shows all properties within 300 ft. The following list contains all property owners within 300 ft.



RE#	Name	Address	
00122080-000000	ROCKLAND OPERATIONS LLC	P O BOX 787	KEY WEST, FL 33041
00122080-000101	PAVEX CORPORATION	P O BOX 15065	WEST PALM BEACH, FL 33416
00122080-000302	A&B LAND INVESTMENTS INC	121 U S HWY ONE SUITE 106	KEY WEST, FL 33040
00122070-000300	PAVEX CORPORATION	2501 N W 48TH STREET	POMPANO BEACH, FL 33073
00122070-000109	ROCKLAND OPERATIONS LLC	P O BOX 787	KEY WEST, FL 33041
00122070-000108	TOPPINO FRANK P LIMITED PARTNERSHIP THE	37 EVERGREEN AVENUE	KEY WEST, FL 33040
00122070-000103	ROCKLAND OPERATIONS LLC	PO BOX 787	KEY WEST, FL 33041
00122070-000105	TOPPINO FRANK P LIMITED PARTNERSHIP THE	37 EVERGREEN AVENUE	KEY WEST, FL 33040
00122040-000101	TOPPINO FRANK P LIMITED PARTNERSHIP THE	37 EVERGREEN AVENUE	KEY WEST, FL 33040
00122040-000000	TOPPINO EDWARD SR LAND TRUST DTD 8/2/04	P O BOX 787	KEY WEST, FL 33041
00122070-000107	TOPPINO FRANK P LIMITED PARTNERSHIP THE	37 EVERGREEN AVENUE	KEY WEST, FL 33040
00122070-000100	FPT LAND TRUST NO 1	P O BOX 787	KEY WEST, FL 33041
00122040-000100	FPT LAND TRUST NO 1	P O BOX 787	KEY WEST, FL 33041
00122070-000104	FPT LAND TR NO 1	P O BOX 787	KEY WEST, FL 33041
00122080-000500	ROCKLAND RECYCLING CENTER INC	P O DRAWER 1149	KEY WEST, FL 33041-6103
00122040-000102	TOPPINO EDWARD FAMILY LIMITED PARTNERSHIP THE	46 CYPRESS AVE	KEY WEST, FL 33040
00122080-000700	TOPPINO'S INC	P O BOX 787	KEY WEST, FL 33041-0787
00122080-000600	FLORIDA KEYS AQUEDUCT AUTHORITY	P O BOX 1239	KEY WEST, FL 33041-1239
00121980-000500	TOPPINO EDWARD SR LAND TRUST DTD 8/2/04	P O BOX 787	KEY WEST, FL 33041
00122080-000200	ROCKLAND INVESTMENT CORPORATION INC	121 US HWY 1 SUITE 109	KEY WEST, FL 33040
00122070-000700	MONROE COUNTY	1100 SIMONTON ST	KEY WEST, FL 33040
00122070-000200	ROCKLAND INVESTMENT CORP	121 US HIGHWAY 1 STE109	KEY WEST, FL 33040
00122080-000301	PAVEX CORPORATION	2501 NW 48TH ST	POMPANO BEACH, FL 33073
00122080-000100	ROCKLAND OPERATIONS LLC	PO BOX 787	KEY WEST, FL 33041
00122080-000300	ROCKLAND INVESTMENT CORPORATION INC	121 US HWY 1 STE109	KEY WEST, FL 33040
00122030-000000	ROCKLAND OPERATIONS LLC	P O BOX 787	KEY WEST, FL 33041

Letters of Coordination

OWEN TREPANIER & ASSOCIATES, INC.

LAND USE PLANNING & DEVELOPMENT CONSULTANTS

11/30/2005

Mr. Wally Ramero, Assistant Fire Marshal
Monroe County Fire Rescue
490 63rd Street
Marathon, FL 33050

RE: City of Key West
Solid Waste Transfer Station – Rockland Key
RE# 00122080-000100

Dear Mr. Ramero:

We are making application to amend a Major Conditional Use on Rockland Key to allow the City of Key West to operate a Solid Waste Transfer Station on the above property. This 4 acre site is filled, scarified, vacant land currently used for resource extraction.

Included with this letter is a site plan, location map, zoning map and aerial photo.

Please review the material, send any comments to Ms. Nicole Petrick and copy me in the enclosed self-addressed stamped envelope.

Ms. Nicole Petrick
Monroe County Planning Department
2798 Overseas Hwy
Marathon, FL 33050

If you have any questions please call.

Thank you.

Sincerely,

Owen Trepanier

OWEN TREPANIER & ASSOCIATES, INC.

LAND USE PLANNING & DEVELOPMENT CONSULTANTS

11/30/2005

Mr. Dale Finnigan, Director of Electrical Operations
Keys Energy Services
P.O. Box 6100
Key West, FL 33041-6100

RE: City of Key West
Solid Waste Transfer Station – Rockland Key
RE# 00122080-000100

Dear Mr. Finnigan:

We are making application to amend a Major Conditional Use on Rockland Key to allow the City of Key West to operate a Solid Waste Transfer Station on the above property. This 4 acre site is filled, scarified, vacant land currently used for resource extraction.

Included with this letter is a site plan, location map, zoning map and aerial photo.

Please review the material, send any comments to Ms. Nicole Petrick and copy me in the enclosed self-addressed stamped envelope.

Ms. Nicole Petrick
Monroe County Planning Department
2798 Overseas Hwy
Marathon, FL 33050

If you have any questions please call.

Thank you.

Sincerely,

Owen Trepanier

OWEN TREPANIER & ASSOCIATES, INC.

LAND USE PLANNING & DEVELOPMENT CONSULTANTS

11/30/2005

Mr. Ed Nicolle, Engineering Department
FKAA
P.O. Box 1239
Key West, FL 33041-1239

RE: City of Key West
Solid Waste Transfer Station – Rockland Key
RE# 00122080-000100

Dear Mr. Nicolle:

We are making application to amend a Major Conditional Use on Rockland Key to allow the City of Key West to operate a Solid Waste Transfer Station on the above property. This 4 acre site is filled, scarified, vacant land currently used for resource extraction.

Included with this letter is a site plan, location map, zoning map and aerial photo.

Please review the material, send any comments to Ms. Nicole Petrick and copy me in the enclosed self-addressed stamped envelope.

Ms. Nicole Petrick
Monroe County Planning Department
2798 Overseas Hwy
Marathon, FL 33050

If you have any questions please call.

Thank you.

Sincerely,

Owen Trepanier

OWEN TREPANIER & ASSOCIATES, INC.

LAND USE PLANNING & DEVELOPMENT CONSULTANTS

11/30/2005

FDEP - South District
2295 Victoria Avenue
Fort Myers, 33901

RE: City of Key West
Solid Waste Transfer Station – Rockland Key
RE# 00122080-000100

Dear FDEP:

We are making application to amend a Major Conditional Use on Rockland Key to allow the City of Key West to operate a Solid Waste Transfer Station on the above property. This 4 acre site is filled, scarified, vacant land currently used for resource extraction.

Included with this letter is a site plan, location map, zoning map and aerial photo.

Please review the material, send any comments to Ms. Nicole Petrick and copy me in the enclosed self-addressed stamped envelope.

Ms. Nicole Petrick
Monroe County Planning Department
2798 Overseas Hwy
Marathon, FL 33050

If you have any questions please call.

Thank you.

Sincerely,

Owen Trepanier

OWEN TREPANIER & ASSOCIATES, INC.

LAND USE PLANNING & DEVELOPMENT CONSULTANTS

11/30/2005

Mr. Winston Hopgood, South Florida Ecological Services Office
USFW
1339 20th Street
Vero Beach, FL 32960

RE: City of Key West
Solid Waste Transfer Station – Rockland Key
RE# 00122080-000100

Dear Mr. Hopgood:

We are making application to amend a Major Conditional Use on Rockland Key to allow the City of Key West to operate a Solid Waste Transfer Station on the above property. This 4 acre site is filled, scarified, vacant land currently used for resource extraction.

Included with this letter is a site plan, location map, zoning map and aerial photo.

Please review the material, send any comments to Ms. Nicole Petrick and copy me in the enclosed self-addressed stamped envelope.

Ms. Nicole Petrick
Monroe County Planning Department
2798 Overseas Hwy
Marathon, FL 33050

If you have any questions please call.

Thank you.

Sincerely,

Owen Trepanier

OWEN TREPANIER & ASSOCIATES, INC.

LAND USE PLANNING & DEVELOPMENT CONSULTANTS

11/30/2005

US ACOE
P.O. Box 2288
Mobile, AL 36628-0001

RE: City of Key West
Solid Waste Transfer Station – Rockland Key
RE# 00122080-000100

Dear US ACOE:

We are making application to amend a Major Conditional Use on Rockland Key to allow the City of Key West to operate a Solid Waste Transfer Station on the above property. This 4 acre site is filled, scarified, vacant land currently used for resource extraction.

Included with this letter is a site plan, location map, zoning map and aerial photo.

Please review the material, send any comments to Ms. Nicole Petrick and copy me in the enclosed self-addressed stamped envelope.

Ms. Nicole Petrick
Monroe County Planning Department
2798 Overseas Hwy
Marathon, FL 33050

If you have any questions please call.

Thank you.

Sincerely,

Owen Trepanier

OWEN TREPANIER & ASSOCIATES, INC.

LAND USE PLANNING & DEVELOPMENT CONSULTANTS

11/30/2005

FDOT
605 Suwannee Street
Tallahassee, FL 32399-0450

RE: City of Key West
Solid Waste Transfer Station – Rockland Key
RE# 00122080-000100

Dear FDOT:

We are making application to amend a Major Conditional Use on Rockland Key to allow the City of Key West to operate a Solid Waste Transfer Station on the above property. This 4 acre site is filled, scarified, vacant land currently used for resource extraction.

Included with this letter is a site plan, location map, zoning map and aerial photo.

Please review the material, send any comments to Ms. Nicole Petrick and copy me in the enclosed self-addressed stamped envelope.

Ms. Nicole Petrick
Monroe County Planning Department
2798 Overseas Hwy
Marathon, FL 33050

If you have any questions please call.

Thank you.

Sincerely,

Owen Trepanier

OWEN TREPANIER & ASSOCIATES, INC.

LAND USE PLANNING & DEVELOPMENT CONSULTANTS

11/30/2005

South Florida Water Management District
P.O. Box 24680
West Palm Beach, FL 33416-4680

RE: City of Key West
Solid Waste Transfer Station – Rockland Key
RE# 00122080-000100

Dear SFWMD:

We are making application to amend a Major Conditional Use on Rockland Key to allow the City of Key West to operate a Solid Waste Transfer Station on the above property. This 4 acre site is filled, scarified, vacant land currently used for resource extraction.

Included with this letter is a site plan, location map, zoning map and aerial photo.

Please review the material, send any comments to Ms. Nicole Petrick and copy me in the enclosed self-addressed stamped envelope.

Ms. Nicole Petrick
Monroe County Planning Department
2798 Overseas Hwy
Marathon, FL 33050

If you have any questions please call.

Thank you.

Sincerely,

Owen Trepanier

Authorization

Authorization Form

I, FRANK P. TOPPINO, as Manager of Rockland Operations, LLC authorize
Please Print Name(s) of Owner(s)

Trepanier & Associates, Inc. to be the representative for this application and act on my/our
behalf.

ROCKLAND OPERATIONS, LLC

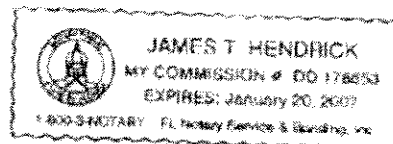
by: Frank P. Toppino
Signature of Owner MANAGER

Signature of Joint/Co-owner if applicable

Subscribed and sworn to (or affirmed) before me on November 2, 2005 (date) by
FRANK P. TOPPINO, as Manager of Rockland Operations, LLC
Please Print Name of Affiant

He/She is personally known to me or has Presented
as Identification.

[Signature]
Notary's Signature and Seal



Name of Acknowledger printed or stamped

Title or Rank

Commission Number, if any

Florida Limited Liability
ROCKLAND OPERATIONS, LLC

PRINCIPAL ADDRESS
US HWY NO 1 ROCKLAND KEY
KEY WEST FL 33040 US

MAILING ADDRESS
PO BOX 787
KEY WEST FL 33041 US

Document Number
1.04000093518

FBI Number
281906250

Date Filed
12/28/2004

State
FL

Status
ACTIVE

Effective Date
NONE

Total Contribution
0.00

Registered Agent

Name & Address
MR. JAMES R. GRIFFIN C/O CON & SULLERS IMMOKALEE ROAD NAPLES FL 34109

Manager/Member Detail

Name & Address	Title
TOPPING FRANK P PO BOX 787 KEY WEST FL 33041 US	MGR
TOPPING EDWARD JR PO BOX 787 KEY WEST FL 33041 US	MGR

Proof of Ownership

<p><i>This instrument prepared by</i> Karleen A. Grant, Esq. 604 Whitehead Street Key West, Florida 33440</p> <p>Grant's Social Security No: 59-2426906</p> <p>Parcel ID No. A PORTION OF 00122080,00122070,00122030-000000</p>	<p>MONROE COUNTY OFFICIAL RECORDS</p> <p>FILE #1128404 SERIAL 580 PG#1638</p> <p>REC JUN 11 1999 10:45AM DANNY L KOLEAGE, CLERK</p> <p>DEED DOC STAMPS \$600.00 \$6/11/1999 DEP. CLK</p>
--	--

WARRANTY DEED

THIS INDENTURE,

Wherever used herein, the term "party" shall include the heirs, personal representatives, successors and assigns of the respective parties hereto; the use of the singular numbers shall include the plural; and the plural the singular; the use of any gender, male, if used, the term "he" shall include all the parties herein described if more than one.

Made this 17 day of May, 1999

Between **THE DICKERSON GROUP, INC.**, a Florida corporation, successor by merger with **C.T.B., Inc.**, a Florida corporation, 271 Ponte Vedra Park Drive, Ponte Vedra Beach, FL., party of the first part, and **TOPPINO'S, INC.**, a Florida corporation, P.O. Box 787, Key West, FL., party of the second part:

WITNESSETH

That the said party of the first part, for and in consideration of the sum of Ten Dollars (\$10.00) and other good and valuable consideration, to them in hand paid by the said party of the second part, the receipt whereof is hereby acknowledged, has granted, bargained and sold to the said party of the second part, their heirs and assigns forever, the following described land, situated, lying and being in the County of Monroe, State of Florida, to wit:

SEE EXHIBIT "A" ATTACHED HERETO AND INCORPORATED HEREIN BY REFERENCE.

SUBJECT TO taxes and assessments for the year 1999 and subsequent years; Conditions, restrictions, limitation and easements of record, if any; Laws, zoning laws, regulations or ordinances affecting the subject real property.

And the said party of the first part does hereby fully warrant the title to said land, and will defend the same against the lawful claims of all persons whomsoever.

In Witness Whereof, the said party of the first part has caused the appropriate officer to hereunto set his hand and seal the day and year first above written.

<p>WITNESSES.</p> <p><u><i>[Signature]</i></u> Print Name: <u>Banjamin C. Messer</u></p> <p><u><i>[Signature]</i></u> Print Name: <u>STEPHEN E. MCGONAGH</u></p>	<p>THE DICKERSON GROUP, INC., a Florida Corporation</p> <p>By: <u><i>[Signature]</i></u> JOHN F. JOYNER, President</p>
---	---

(FEDERAL GOVT. STAMP REQUIRED FOR RECORDING IN A WARRANTY)

STATE OF NORTH CAROLINA)
)
COUNTY OF UNION)

The foregoing instrument was acknowledged before me this 17th day of May, 1999, by JOHN F. JOYNER, as President of The Dickerson Group, Inc., a Florida corporation, on behalf of said corporation, who is personally known to me or who produced _____
_____ as identification.

My Commission Expires: 2-20-2000

Cynthia B. Deane
NOTARY PUBLIC - State of North Carolina
Cynthia B. Deane
Print Name:

PARCEL H H:

A parcel of land in a part of Government Lots 5 & 6, Section 21, Township 67 South, Range 26 East on Rockland Key, Monroe County, Florida and being more particularly described as follows:
Commence at the intersection of the Centerline of U.S. Highway No. 1 (State Road No. 5) and the West abutment of the Rockland Key Viaduct; thence S 63°09'20"W along the original Centerline of U.S. Highway No. 1 for 2110.00 feet; thence North 970.73 feet; thence West for 739.09 feet to the Point of Beginning; thence West, a distance of 457.98 feet; thence NORTH, a distance of 255.00 feet; thence WEST, a distance of 365.00 feet; thence NORTH, a distance of 899.96 feet; thence East along a line lying 2000.00 feet Northerly of and parallel with the South Line of Section 21 for 1110.53 feet; thence S 27°00'00"E, a distance of 73.48 feet; thence WEST a distance of 437.79 feet; thence S 06°07'26"E, a distance of 1095.81 feet to the Point of Beginning.

PARCEL I I

A parcel of land in a part of Government Lot 4, Section 21, Township 67 South, Range 26 East on Rockland Key, Monroe County, Florida and being more particularly described as follows:
Commence at the intersection of the Centerline of U.S. Highway No. 1 (State Road No. 5) and the West abutment of the Rockland Key Viaduct; thence S 63°09'20"W along the original Centerline of U.S. Highway No. 1 for 2100.00 feet; thence North 970.73 feet; thence East for 851.41 feet to the Point of Beginning; thence EAST, a distance of 250.00 feet; thence NORTH, along the Westerly Right-of-Way Line of Second Street a distance of 1154.97 feet; thence WEST, a distance of 250.00 feet; thence SOUTH, a distance of 1154.97 feet to the Point of Beginning.

MONROE COUNTY
OFFICIAL RECORDER

THIS INSTRUMENT PREPARED BY:
JOHN M. SPOTTSWOOD, JR.
SPOTTSWOOD, SPOTTSWOOD & SPOTTSWOOD
500 FLEMING STREET
Key West, FL 33040

DEED DOC STAMP CL - FP \$1,831.00

Doc# 1468192
Bk# 2872 Pg# 1786

Parcel ID Number:

Quitclaim Deed

This Quitclaim Deed, Made this 30 day of December, 2004 A.D. Between
CHARLEY TOPPINO & SONS, INC. f/k/a TOPPINO'S INC., a corporation
existing under the laws of the State of Florida
of the County of _____ State of Florida, grantor, and
ROCKLAND OPERATIONS, LLC, a Florida limited liability company
whose address is: P.O. BOX 787, KEY WEST, FL 33041

of the County of MONROE, State of Florida, grantee.

Witnesseth that the GRANTOR, for and in consideration of the sum of
-----TEN DOLLARS (\$10)----- (DOLLARS,
and other good and valuable consideration to GRANTOR or hereon paid by GRANTEE, the receipt whereof is hereby acknowledged, has
granted, bargained and quitclaimed to the said GRANTEE and GRANTEE'S heirs, successors and assigns forever, the following described land, situate,
lying and being in the County of Monroe State of Florida to wit:

SEE EXHIBIT "A" ATTACHED HERETO AND MADE A PART HEREOF, BEING THE SAME
PROPERTY AS DESCRIBED IN THE WARRANTY DEED RECORDED IN OFFICIAL
RECORDS BOOK 1580, PAGE 1638, MONROE COUNTY, FLORIDA.

This instrument was prepared without benefit of title search or
abstract examination and is based solely on facts provided by either
of the parties or his or her agent.

To Have and to Hold the same together with all and singular the appurtenances thereto in to anyone
appertaining, and all the estate, right, title, interest, term, years and claims whatsoever of grantor, either in law or equity, for
the use, benefit and profit of the said grantee forever.

In Witness Whereof, the grantor has hereunto set its hand and seal the day and year first above written.

Signed, sealed and delivered in our presence:

CHARLEY TOPPINO & SONS, INC. f/k/a
TOPPINO'S INC.

Amy N. Pierce

Printed Name: AMY N. PIERCE
Witness

By: Frank Toppino (Seal)
FRANK TOPPINO, PRESIDENT
P.O. Address P.O. BOX 787, KEY WEST, FL 33041

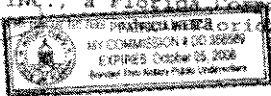
Erica N. Hughes

Printed Name: Erica N. Hughes
Witness

STATE OF Florida
COUNTY OF _____

(Corporate Seal)

The foregoing instrument was acknowledged before me this 30 day of December, 2004 by
FRANK TOPPINO, PRESIDENT of CHARLEY TOPPINO & SONS, INC. f/k/a
TOPPINO'S INC., a Florida Corporation, on behalf of the corporation
personally known to me as _____ a Florida driver's license as identification.



Patricia Weech

Printed Name:
Notary Public

My Commission Expires

TOPPINO1

EXHIBIT "A"

Doc# 1488192
Bk# 2872 Pg# 1787

PARCEL H H:

A parcel of land in a part of Government Lots 5 & 6, Section 21, Township 67 South, Range 26 East on Rockland Key, Monroe County, Florida and being more particularly described as follows:

Commence at the intersection of the Centerline of U.S. Highway No. 1 (State Road No. 5) and the West abutment of the Rockland Key Viaduct, thence S 63°09'20"W along the original Centerline of U.S. Highway No. 1 for 2110.00 feet; thence North 970.73 feet, thence West for 739.09 feet to the Point of Beginning; thence West, a distance of 457.98 feet, thence NORTH, a distance of 255.00 feet, thence WEST, a distance of 365.00 feet, thence NORTH, a distance of 899.96 feet; thence East along a line lying 2000.00 feet Northerly of and parallel with the South Line of Section 21 for 1110.53 feet, thence S 27°00'00"E, a distance of 73.48 feet, thence WEST a distance of 437.79 feet, thence S 06°00'26"E, a distance of 1095.81 feet to the Point of Beginning.

PARCEL L I

A parcel of land in a part of Government Lot 4, Section 21, Township 67 South, Range 26 East on Rockland Key, Monroe County, Florida and being more particularly described as follows:

Commence at the intersection of the Centerline of U.S. Highway No. 1 (State Road No. 5) and the West abutment of the Rockland Key Viaduct, thence S 63°09'20"W along the original Centerline of U.S. Highway No. 1 for 2100.00 feet; thence North 970.73 feet, thence East for 851.41 feet to the Point of Beginning; thence EAST, a distance of 250.00 feet, thence NORTH, along the Westerly Right-of-Way Line of Second Street a distance of 1154.97 feet, thence WEST, a distance of 250.00 feet; thence SOUTH, a distance of 1154.97 feet to the Point of Beginning.

MONROE COUNTY
OFFICIAL RECORDS

Land Use: 110

General Light Industrial

Land Use Description

Light industrial facilities are free-standing facilities devoted to a single use. The facilities have an emphasis on activities other than manufacturing and typically have minimal office space. Typical light industrial activities include printing, material testing and assembly of data processing equipment. Industrial park (Land Use 130) and manufacturing (Land Use 140) are related uses.

Database Description

The database consisted of a mix of suburban and urban sites. Parking demand rates at the suburban sites were similar to those at urban sites and therefore the data were combined and analyzed together.

- Average parking supply ratios: 1.1 spaces per 1,000 sq. ft. GFA (five study sites) and 1.3 spaces per employee (four study sites).
- Average site employment density: 1,200 sq. ft. GFA per employee (five study sites).

The number of employees for this land use was the total number of employees working on all shifts. Facilities with employees that work on shifts may peak at different hours. It is unclear from the data collected for this land use whether the parking demand counts occurred during, prior to, or after shift changes at the study sites.

Four sites that were submitted were substantially smaller than the other sites contained in the database. The sites ranged in size between 1,200 and 5,100 sq. ft. GFA and employed between one and nine persons. The peak period demand observed at these four sites was 1.13 parked vehicles per employee. The parking demand information from these sites was excluded from the data plots and analysis.

Study Sites/Years

Anaheim, CA (1984); Dallas, TX (1985); Oklahoma City, OK (1987); Glenview, IL (1990); Anaheim, CA (1991); Seattle, WA (1999); Norristown, PA (2001)

**THE
CITY OF KEY WEST
SOLID WASTE
TRANSFER STATION RELOCATION
FROM
STOCK ISLAND TO ROCKLAND KEY

LEVEL I TRAFFIC STUDY**

DECEMBER 2005

**THE
CITY OF KEY WEST
SOLID WASTE
TRANSFER STATION RELOCATION
FROM
STOCK ISLAND TO ROCKLAND KEY

LEVEL I TRAFFIC STUDY**

Prepared for
Owen Trepanier & Associates
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**THE
CITY OF KEY WEST
SOLID WASTE
TRANSFER STATION RELOCATION
FROM
STOCK ISLAND TO ROCKLAND KEY**

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**EXISTING FACILITY TRIP GENERATION
2005 LEVEL OF SERVICE & RESERVE CAPACITY**

THE **CITY OF KEY WEST** **SOLID WASTE** **TRANSFER STATION RELOCATION** **FROM** **STOCK ISLAND TO ROCKLAND KEY**

INTRODUCTION

The City of Key West is proposing to relocate its existing solid waste transfer station from Stock Island near US 1 Mile Marker 5 to Rockland Key near US 1 Mile Marker 9.

ACCESS

Access will be provided along Calle Uno on Rockland. Key.

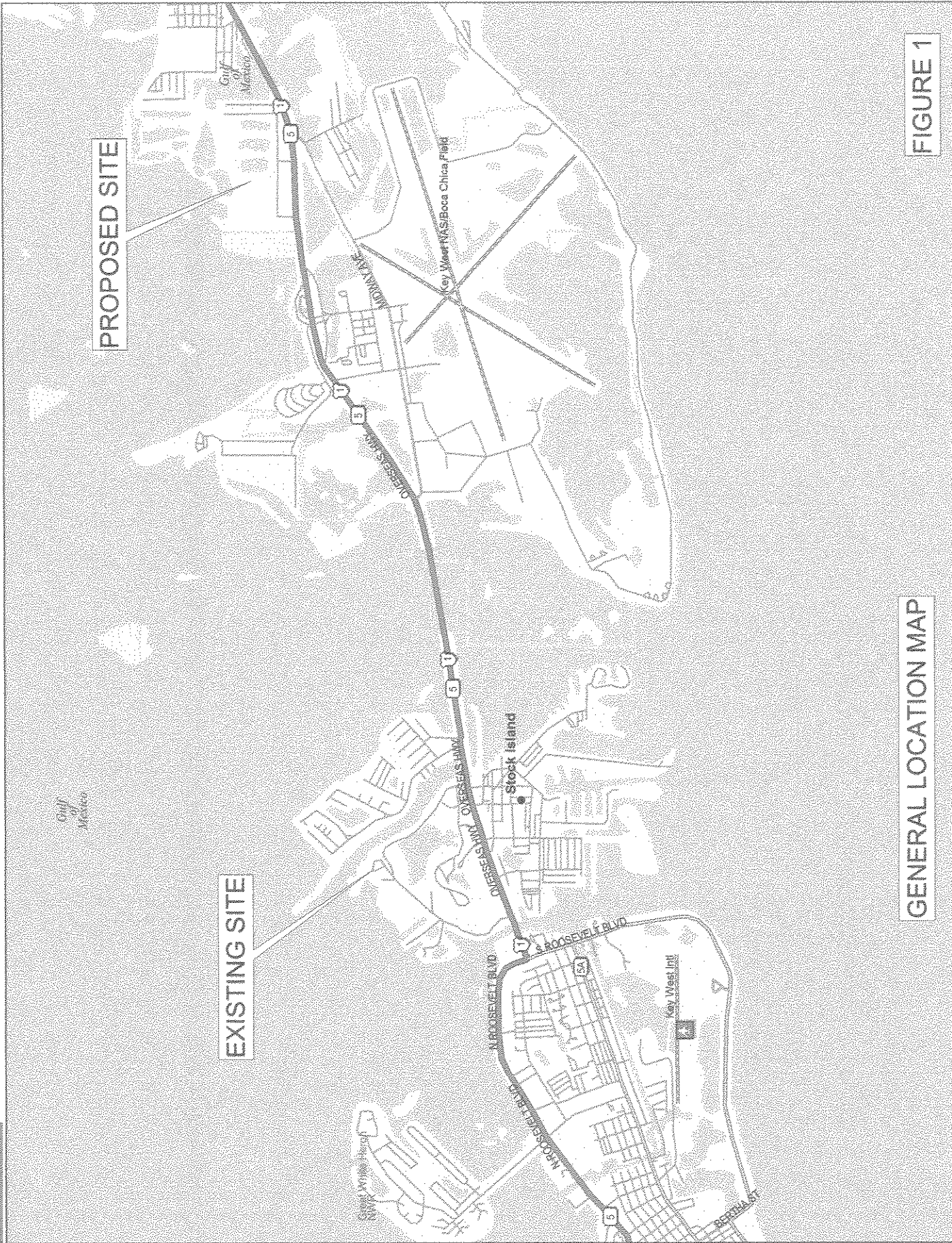
TRAFFIC GENERATION AND DISTRIBUTION

Contact was made with existing facilities manager regarding the quantity of employees and the frequency of use at the existing facility. The facility manager was able to supply TAP with weekly activity for the existing trash transfer station. Table 1 depicts the weekly activity during peak season of March 2005. The raw data are in the appendix.

Table 1
Estimated
Daily Traffic Volume
of Existing Trash
Transfer Station

Date	DOW	Trash Deliveries	Two-way Trips	Employee Two-way Trips	Total Trips
3/14/05	Monday	67	134	16	150
3/15/05	Tuesday	72	144	16	160
3/16/05	Wednesday	65	130	16	146
3/17/05	Thursday	88	176	16	192
3/18/05	Friday	70	140	16	156
3/19/05	Saturday	<u>25</u>	<u>50</u>	<u>16</u>	<u>66</u>
	Totals	387	774	96	870

- Average daily trips = 145



GENERAL LOCATION MAP

FIGURE 1

PASS-BY TRIPS

No adjustment is made for pass-by trips in this analysis.

TRIP LENGTH AND DISTRIBUTION

The existing trip length from the Key West City limit at Cow Key Channel Bridge (US 1 Mile Marker 4.0) to the existing facility is approximately one-mile. The proposed trash transfer station will be located at US 1 mile Marker 9 with about a five-mile trip length in Monroe County. 90% of trips are generated from Key West with the remaining towards Miami with an average trip length of about six miles.

US 1 ARTERIAL TRAFFIC SUMMARY

The proposed development is situated along Monroe County's designated US 1 Segment 2. Table 2, 2005 level of service and reserve capacity depicts a summary of daily US 1 arterial traffic volume in Monroe County. Note that in Segment 3 and 5 there are no available trips. However, per County guidelines, if no building moratorium is in place a trip volume of less than a 5% allocation below LOS C is allowable. See Table 2 for details.

SIGHT TRIANGLES

Sight triangles will be shown on the final site plan to be submitted with application.

LOCATION OF MEDIAN OPENINGS ALONG US 1

The site does not have direct access to US 1.

CONCLUSION

The proposed trash transfer station relocation will not exceed the allowable US 1 reserve trips in this area of Monroe County.

TABLE 2 -- ARTERIAL TRIP ASSIGNMENT SUMMARY

Trip Generation Source:													
ITE <input type="checkbox"/> ITE Land Use Code No.:													
OTHER <input checked="" type="checkbox"/> See Report													
Project: Key West													
Location: Trash Transfer Station													
Rockland Key													
Approx. US-1 MM: 9.0													
Development Type: Municipal													
Project Size: See report													
Daily Trip Ends -													
Weekday:													
Saturday:													
Sunday:													
Weighted Daily: 145													
Average Trip Length: Trip Distribution:													
6 miles N / E 10 % N / E													
5 miles S / W 90 % S / W													
Total Daily Trips	Percent Pass-By Trips	Percent Primary Trips	(1) Primary Trips	US-1 Segment Number	US-1 Segment Limits		(2) Percent Directional Split	(3) % Impact Based on Trip Length	Project Generated Trips		Year 2005 Reserve Capacity	Less Estimated Site Volume	Remaining Reserve Capacity
					Begin MM	End MM			(1)	(2)	(3)		
145	10	90	131	#1	4.0	5.0	90	55	(131 * 0.9 * 0.55) =	65	1,494	65	1,429
				#2	5.0	9.0	10	100	(131 * 0.1 * 1.00) =	13	4,004	13	3,991
				#3	9.0	10.5	10	100	(131 * 0.1 * 1.00) =	13	0	13	413*
				#4	10.5	16.5	10	63	(131 * 0.1 * 0.63) =	8	1,249	8	1,241
				#5	16.5	20.5	10	21	(131 * 0.1 * 0.21) =	3	0	3	882*
				#6	20.5	23.0	10	0	(131 * 0.1 * 0.00) =	0			
				#7	23.0	24.0	10	0	(131 * 0.1 * 0.00) =	0			
				#8	24.0	27.5	10	0	(131 * 0.1 * 0.00) =	0			
				#9	27.5	29.5	10	0	(131 * 0.1 * 0.00) =	0			
				#10	29.5	33.0	10	0	(131 * 0.1 * 0.00) =	0			
				#11	33.0	40.0	10	0	(131 * 0.1 * 0.00) =	0			
				#12	40.0	47.0	10	0	(131 * 0.1 * 0.00) =	0			
				#13	47.0	54.0	10	0	(131 * 0.1 * 0.00) =	0			
				#14	54.0	60.5	10	0	(131 * 0.1 * 0.00) =	0			
				#15	60.5	63.0	10	0	(131 * 0.1 * 0.00) =	0			
				#16	63.0	73.0	10	0	(131 * 0.1 * 0.00) =	0			
				#17	73.0	77.5	10	0	(131 * 0.1 * 0.00) =	0			
				#18	77.5	79.5	10	0	(131 * 0.1 * 0.00) =	0			
				#19	79.5	84.0	10	0	(131 * 0.1 * 0.00) =	0			
				#20	84.0	86.0	10	0	(131 * 0.1 * 0.00) =	0			
				#21	86.0	91.5	10	0	(131 * 0.1 * 0.00) =	0			
				#22	91.5	99.5	10	0	(131 * 0.1 * 0.00) =	0			
				#23	99.5	106.0	10	0	(131 * 0.1 * 0.00) =	0			
				#24	106.0	112.5	10	0	(131 * 0.1 * 0.00) =	0			

* LOS C ALLOCATION

APPENDIX

**EXISTING FACILITY
TRIP GENERATION**

EXISTING SOLID WASTE TRANSFER STATION WEEKLY ACTIVITY DURING PEAK SEASON

SITE ACTIVITY INBOUND 3/14/05 TO 3/19/05

SITE	TICKET	CUSTOMER	VEHICLE	MATERIAL	DATEIN	DOW	TIME	WEIGHT	TOTAL	QTY
2	372806	WASTE MANAGEMENT	WM305755	IB-PRO PIT	3/14/2005	Monday	06:03	19.26	2736.85	1
2	372807	WASTE MANAGEMENT	WM204208	IB-PRO PIT	3/14/2005	Monday	06:04	13.76	1955.30	2
2	372808	WASTE MANAGEMENT	WM306781	IB-PRO PIT	3/14/2005	Monday	06:21	3.82	542.82	3
2	372810	WASTE MANAGEMENT	WM406061	IB-PRO PIT	3/14/2005	Monday	06:49	5.64	801.44	4
2	372811	WASTE MANAGEMENT	WM408123	IB-PRO PIT	3/14/2005	Monday	06:55	4.93	700.55	5
2	372812	WASTE MANAGEMENT	WM408335	IB-PRO PIT	3/14/2005	Monday	07:01	4.74	673.55	6
2	372813	WASTE MANAGEMENT	WM407743	IB-PRO PIT	3/14/2005	Monday	07:10	4.78	679.24	7
2	372814	WASTE MANAGEMENT	WM406061	IB-PRO PIT	3/14/2005	Monday	07:45	2.28	323.99	8
2	372815	WASTE MANAGEMENT	WM408123	IB-PRO PIT	3/14/2005	Monday	07:48	4.55	646.56	9
2	372816	WASTE MANAGEMENT	WM408335	IB-PRO PIT	3/14/2005	Monday	07:51	3.66	520.09	10
2	372818	WASTE MANAGEMENT	WM407743	IB-PRO PIT	3/14/2005	Monday	08:01	5.07	720.45	11
2	372819	CITY OF KEY WEST PARK&RECREATI	KW0783	IB-BULKRES	3/14/2005	Monday	08:04	0.28	39.79	12
2	372820	WASTE MANAGEMENT	WM204208	IB-PRO PIT	3/14/2005	Monday	08:30	15.63	2221.02	13
2	372821	WASTE MANAGEMENT	WM408123	IB-PRO PIT	3/14/2005	Monday	08:41	5.97	848.34	14
2	372822	CASH CUSTOMERS		IB-CONSTR	3/14/2005	Monday	08:43	0.23	32.68	15
2	372823	WASTE MANAGEMENT	WM305558	IB-PRO PIT	3/14/2005	Monday	08:43	12.00	1705.20	16
2	372824	WASTE MANAGEMENT	WM408335	IB-PRO PIT	3/14/2005	Monday	08:44	6.84	971.96	17
2	372825	CITY OF KEY WEST PARK&RECREATI	KW0730	IB-YD WSTE	3/14/2005	Monday	08:48	0.36	51.16	18
2	372826	CASH CUSTOMERS		IB-PRO PIT	3/14/2005	Monday	08:57	0.09	12.79	19
2	372827	WASTE MANAGEMENT	WM306781	IB-PRO PIT	3/14/2005	Monday	09:00	2.98	423.46	20
2	372828	KW Housing Authority	KWHA0151	IB-BULKRES	3/14/2005	Monday	09:02	0.53	75.31	21
2	372829	TROPICAL SHELL & GIFTS INC	TSG0790	IB-PRO PIT	3/14/2005	Monday	09:03	0.44	62.52	22
2	372831	U S Navy	USN0304	IN-C&D	3/14/2005	Monday	09:25	2.89	410.67	23
2	372833	WASTE MANAGEMENT	WM408335	IB-PRO PIT	3/14/2005	Monday	09:40	1.87	265.73	24
2	372834	WASTE MANAGEMENT	WM408123	IB-PRO PIT	3/14/2005	Monday	09:44	7.87	1118.33	25
2	372835	WASTE MANAGEMENT	WM305549	IB-PRO PIT	3/14/2005	Monday	09:50	14.40	2046.24	26
2	372837	KW Housing Authority	KWHA0151	IB-BULKRES	3/14/2005	Monday	10:13	0.45	63.95	27
2	372838	WASTE MANAGEMENT	WM408123	IB-PRO PIT	3/14/2005	Monday	10:15	1.62	230.20	28
2	372839	U S Navy	USN0773	IB-PRO PIT	3/14/2005	Monday	10:24	3.15	447.62	29
2	372840	WASTE MANAGEMENT	WM305556	IB-PRO PIT	3/14/2005	Monday	10:28	12.28	1744.99	30
2	372841	CITY OF KEY WEST GARRISON BIGH	KW0301	IB-BULKRES	3/14/2005	Monday	10:30	0.03	4.26	31

2 372842	CITY OF KEY WEST D.O.T	KW0642	IB-BULKRES	3/14/2005	Monday	10:36	0.11	15.63	32
2 372843	WASTE MANANAGEMENT	WM204208	IB-PRO PIT	3/14/2005	Monday	10:37	9.37	1331.48	33
2 372844	WASTE MANANAGEMENT	WM673079	IB-YD WSTE	3/14/2005	Monday	10:43	3.26	463.25	34
2 372845	WASTE MANANAGEMENT	WM305557	IB-PRO PIT	3/14/2005	Monday	10:45	20.54	2918.73	35
2 372846	CASH CUSTOMERS		IB-YD WSTE	3/14/2005	Monday	10:59	0.07	9.95	36
2 372848	CASH CUSTOMERS		IB-PRO PIT	3/14/2005	Monday	11:06	0.31	44.05	37
2 372849	WASTE MANANAGEMENT	WM306781	IB-PRO PIT	3/14/2005	Monday	11:06	2.35	333.94	38
2 372850	KW Housing Authority	KWHA0151	IB-PRO PIT	3/14/2005	Monday	11:07	0.64	90.94	39
2 372851	CASH CUSTOMERS		IB-PRO PIT	3/14/2005	Monday	11:17	0.03	4.26	40
2 372852	CASH CUSTOMERS		IB-PRO PIT	3/14/2005	Monday	11:31	0.23	32.68	41
2 372853	CASH CUSTOMERS		IB-YD WSTE	3/14/2005	Monday	11:36	0.19	27.00	42
2 372855	CASH CUSTOMERS		IB-PRO PIT	3/14/2005	Monday	11:49	0.35	49.73	43
2 372856	CASH CUSTOMERS		IN-C&D	3/14/2005	Monday	11:55	0.48	68.21	44
2 372857	WASTE MANANAGEMENT	WM673079	IB-PRO PIT	3/14/2005	Monday	11:55	0.69	98.05	45
2 372858	CASH CUSTOMERS		IB-YD WSTE	3/14/2005	Monday	12:06	0.30	42.63	46
2 372859	WASTE MANANAGEMENT	WM306781	IB-PRO PIT	3/14/2005	Monday	12:11	1.03	146.36	47
2 372860	WASTE MANANAGEMENT	WM305557	IB-PRO PIT	3/14/2005	Monday	12:17	5.41	768.76	48
2 372861	CASH CUSTOMERS		IB-PRO PIT	3/14/2005	Monday	12:33	0.09	12.79	49
2 372863	WASTE MANANAGEMENT	WM305558	IB-PRO PIT	3/14/2005	Monday	13:07	11.50	1634.15	50
2 372864	U S Navy	USN0376	IN-C&D	3/14/2005	Monday	13:11	6.06	861.13	51
2 372865	WASTE MANANAGEMENT	WM204208	IB-PRO PIT	3/14/2005	Monday	13:14	9.60	1364.16	52
2 372866	CASH CUSTOMERS		IB-BULKRES	3/14/2005	Monday	13:22	0.03	4.26	53
2 372868	WASTE MANANAGEMENT- IN RECYCLABL	WMR506554	IW-RECYCLE	3/14/2005	Monday	13:25	7.17	0.00	54
2 372869	KW Housing Authority	KWHA0151	IN-WHT GDS	3/14/2005	Monday	13:27	0.37	52.58	55
2 372870	U S Navy	USN0773	IB-PRO PIT	3/14/2005	Monday	13:42	5.18	736.08	56
2 372872	CITY OF KEY WEST PARK&RECREATI	KW0781	IB-BULKRES	3/14/2005	Monday	13:59	0.14	19.89	57
2 372873	WASTE MANANAGEMENT	WM305556	IB-PRO PIT	3/14/2005	Monday	14:00	8.26	1173.75	58
2 372875	U S Navy	USN0376	IN-C&D	3/14/2005	Monday	14:12	4.66	662.19	59
2 372876	Toppino/no charge RIGHT OF WAY	TOP0182	IB-YD WSTE	3/14/2005	Monday	14:15	0.42	0.00	60
2 372877	CASH CUSTOMERS		IB-CONSTR	3/14/2005	Monday	14:22	0.21	29.84	61
2 372879	CITY OF KEY WEST PARK&RECREATI	KW0104	IB-BULKRES	3/14/2005	Monday	14:35	0.28	39.79	62
2 372880	KW Housing Authority	KWHA0151	IN-METAL	3/14/2005	Monday	14:35	0.27	38.37	63
2 372881	NEW MOON MGMT GROUP		IB-CONSTR	3/14/2005	Monday	14:41	1.22	173.36	64
2 372882	WASTE MANANAGEMENT	WM673079	IB-PRO PIT	3/14/2005	Monday	14:46	1.30	184.73	65
2 372883	WASTE MANANAGEMENT	WM305549	IB-PRO PIT	3/14/2005	Monday	14:49	12.09	1717.99	66
2 372884	CASH CUSTOMERS		IN-C&D	3/14/2005	Monday	15:06	2.52	358.09	67

2 372885	WASTE MANAGEMENT	WM306781	IB-PRO PIT	3/15/2005	Tuesday	06:12	3.25	461.83	1
2 372886	WASTE MANAGEMENT	WM408335	IB-PRO PIT	3/15/2005	Tuesday	06:53	6.23	885.28	2
2 372887	WASTE MANAGEMENT	WM407743	IB-PRO PIT	3/15/2005	Tuesday	06:57	4.11	584.03	3
2 372888	WASTE MANAGEMENT	WM408123	IB-PRO PIT	3/15/2005	Tuesday	07:02	7.56	1074.28	4
2 372889	WASTE MANAGEMENT	WM204208	IB-PRO PIT	3/15/2005	Tuesday	07:06	10.54	1497.73	5
2 372890	WASTE MANAGEMENT	WM406062	IB-PRO PIT	3/15/2005	Tuesday	07:26	4.78	679.24	6
2 372891	WASTE MANAGEMENT	WM408335	IB-PRO PIT	3/15/2005	Tuesday	07:30	5.28	750.29	7
2 372892	WASTE MANAGEMENT	WM408123	IB-PRO PIT	3/15/2005	Tuesday	07:57	6.78	963.44	8
2 372893	CASH CUSTOMERS		IB-CONSTR	3/15/2005	Tuesday	07:58	0.11	15.63	9
2 372894	WASTE MANAGEMENT	WM407743	IB-PRO PIT	3/15/2005	Tuesday	07:59	8.43	1197.90	10
2 372895	WASTE MANAGEMENT	WM306781	IB-PRO PIT	3/15/2005	Tuesday	08:00	2.94	417.77	11
2 372896	CASH CUSTOMERS		IB-CONSTR	3/15/2005	Tuesday	08:04	0.11	15.63	12
2 372897	STELLER CARPET One		IB-PRO PIT	3/15/2005	Tuesday	08:10	0.12	17.05	13
2 372898	WASTE MANAGEMENT	WM673079	IN-WHT GDS	3/15/2005	Tuesday	08:10	0.87	123.63	14
2 372899	WASTE MANAGEMENT	WM407743	IB-PRO PIT	3/15/2005	Tuesday	08:21	1.87	265.73	15
2 372901	CASH CUSTOMERS		IB-YD WSTE	3/15/2005	Tuesday	08:30	0.17	24.16	16
2 372902	WASTE MANAGEMENT	WM305558	IB-PRO PIT	3/15/2005	Tuesday	08:30	12.74	1810.35	17
2 372903	KW Housing Authority	KWHA0151	IB-BULKRES	3/15/2005	Tuesday	08:35	0.16	22.74	18
2 372903	KW Housing Authority	KWHA0151	IB-BULKRES	3/15/2005	Tuesday	08:35	0.16	22.74	19
2 372904	CITY OF KEY WEST PARK&RECREATI	KW0783	IB-BULKRES	3/15/2005	Tuesday	08:36	0.26	36.95	20
2 372905	WASTE MANAGEMENT	WM305549	IB-PRO PIT	3/15/2005	Tuesday	08:41	13.63	1936.82	21
2 372906	WASTE MANAGEMENT	WM408123	IW-RECYCLE	3/15/2005	Tuesday	08:43	1.85	0.00	22
2 372907	CITY OF KEY WEST (KW BIGHT)	KW0203	IB-PRO PIT	3/15/2005	Tuesday	08:52	0.76	108.00	23
2 372908	CASH CUSTOMERS		IB-CONSTR	3/15/2005	Tuesday	09:03	0.07	9.95	24
2 372909	FLORIDA KEYS MOSQUITO CONTROL		IB-TIRES	3/15/2005	Tuesday	09:10	0.13	18.47	25
2 372910	CITY OF KEY WEST PUBLIC WORKS	KW0735	IB-BULKRES	3/15/2005	Tuesday	09:22	0.30	42.63	26
2 372913	DEBON AIR MECHANICAL INC	DEBON704	IN-METAL	3/15/2005	Tuesday	09:50	0.11	15.63	27
2 372914	CASH CUSTOMERS		IB-YD WSTE	3/15/2005	Tuesday	09:51	0.05	7.11	28
2 372915	WASTE MANAGEMENT	WM204208	IB-PRO PIT	3/15/2005	Tuesday	09:52	10.88	1546.05	29
2 372916	CITY OF KEY WEST PARK&RECREATI	KW0730	IB-YD WSTE	3/15/2005	Tuesday	10:06	0.19	27.00	30
2 372917	CITY OF KEY WEST PARK&RECREATI	KW0781	IN-C&D	3/15/2005	Tuesday	10:10	0.28	39.79	31
2 372918	CASH CUSTOMERS		IN-C&D	3/15/2005	Tuesday	10:19	0.75	106.58	32
2 372920	KW Housing Authority	KWHA0151	IB-BULKRES	3/15/2005	Tuesday	10:26	0.37	52.58	33
2 372921	WASTE MANAGEMENT	WM305557	IB-PRO PIT	3/15/2005	Tuesday	10:33	17.04	2421.38	34
2 372922	WASTE MANAGEMENT	WM305556	IB-PRO PIT	3/15/2005	Tuesday	10:34	11.59	1646.94	35
2 372923	WASTE MANAGEMENT	WM306781	IB-PRO PIT	3/15/2005	Tuesday	10:39	2.92	414.93	36

2 372924	WASTE MANANAGEMENT	WM406061	IB-PRO PIT	3/15/2005	Tuesday	10:41	2.28	323.99	37
2 372927	CITY OF KEY WEST PARK&RECREATI	KW0783	IB-YD WSTE	3/15/2005	Tuesday	11:02	0.33	46.89	38
2 372928	CASH CUSTOMERS		IN-METAL	3/15/2005	Tuesday	11:08	0.03	4.26	39
2 372929	CITY OF KEY WEST PARK&RECREATI	KW0781	IN-C&D	3/15/2005	Tuesday	11:09	0.12	17.05	40
2 372930	CASH CUSTOMERS		IB-CONSTR	3/15/2005	Tuesday	11:25	0.20	28.42	41
2 372932	WASTE MANANAGEMENT-IN RECYCLABL	WMR50655	IV-RECYCLE	3/15/2005	Tuesday	11:30	4.49	0.00	42
2 372933	WASTE MANANAGEMENT	WM406061	IB-PRO PIT	3/15/2005	Tuesday	11:41	1.50	213.15	43
2 372934	WASTE MANANAGEMENT	WM673079	IN-WHT GDS	3/15/2005	Tuesday	11:48	2.03	288.46	44
2 372935	WASTE MANANAGEMENT-IN RECYCLABL	WMR30555	IV-RECYCLE	3/15/2005	Tuesday	11:55	2.60	0.00	45
2 372936	CASH CUSTOMERS		IB-PRO PIT	3/15/2005	Tuesday	12:08	0.15	21.32	46
2 372938	WASTE MANANAGEMENT	WM305558	IB-PRO PIT	3/15/2005	Tuesday	12:09	11.44	1625.62	47
2 372939	CASH CUSTOMERS		IB-TIRES	3/15/2005	Tuesday	12:11	0.45	63.95	48
2 372940	CASH CUSTOMERS		IB-CONSTR	3/15/2005	Tuesday	12:16	0.22	31.26	49
2 372941	CASH CUSTOMERS		IB-CONSTR	3/15/2005	Tuesday	12:36	0.24	34.10	50
2 372942	WASTE MANANAGEMENT	WM306781	IB-PRO PIT	3/15/2005	Tuesday	12:36	2.20	312.62	51
2 372943	WASTE MANANAGEMENT	WM406061	IB-PRO PIT	3/15/2005	Tuesday	12:42	4.02	571.24	52
2 372944	CASH CUSTOMERS		IB-TIRES	3/15/2005	Tuesday	12:46	0.47	66.79	53
2 372945	CASH CUSTOMERS		IN-METAL	3/15/2005	Tuesday	12:48	0.53	75.31	54
2 372946	U S Navy	USN0773	IB-PRO PIT	3/15/2005	Tuesday	12:48	6.77	962.02	55
2 372947	U S Navy	USN0172	IB-BULKRES	3/15/2005	Tuesday	13:03	0.19	27.00	56
2 372948	WASTE MANANAGEMENT	WM305557	IB-PRO PIT	3/15/2005	Tuesday	13:05	2.35	333.94	57
2 372949	STELLER CARPET One		IB-PRO PIT	3/15/2005	Tuesday	13:11	1.37	194.68	58
2 372950	WASTE MANANAGEMENT	WM306781	IB-PRO PIT	3/15/2005	Tuesday	13:11	0.82	116.52	59
2 372951	KW Housing Authority	KWHA0151	IB-YD WSTE	3/15/2005	Tuesday	13:32	0.15	21.32	60
2 372953	CASH CUSTOMERS		IB-CONSTR	3/15/2005	Tuesday	14:00	0.43	61.10	61
2 372954	CASH CUSTOMERS		IB-CONSTR	3/15/2005	Tuesday	14:01	0.14	19.89	62
2 372954	CASH CUSTOMERS		IN-METAL	3/15/2005	Tuesday	14:01	0.14	19.89	63
2 372955	CITY OF KEY WEST PARK&RECREATI	KW0730	IB-YD WSTE	3/15/2005	Tuesday	14:02	0.12	17.05	64
2 372956	WASTE MANANAGEMENT	WM305549	IB-PRO PIT	3/15/2005	Tuesday	14:06	11.87	1686.73	65
2 372957	CITY OF KEY WEST PARK&RECREATI	KW0751	IB-YD WSTE	3/15/2005	Tuesday	14:07	1.30	184.73	66
2 372958	CASH CUSTOMERS		IN-C&D	3/15/2005	Tuesday	14:13	1.24	176.20	67
2 372959	CITY OF KEY WEST PARK&RECREATI	KW0104	IB-BULKRES	3/15/2005	Tuesday	14:14	0.27	38.37	68
2 372960	WASTE MANANAGEMENT	WM673079	IB-YD WSTE	3/15/2005	Tuesday	14:16	3.06	434.83	69
2 372961	Toppino/no charge RIGHT OF WAY	TOP0182	IB-YD WSTE	3/15/2005	Tuesday	14:18	0.96	0.00	70
2 372963	U S Navy	USN0172	IB-PRO PIT	3/15/2005	Tuesday	14:31	0.28	39.79	71
2 372964	WASTE MANANAGEMENT	WM305556	IB-PRO PIT	3/15/2005	Tuesday	14:32	10.28	1460.79	72

2	372967	WASTE MANANGEMENT	WM306781	IB-PRO PIT	3/16/2005	Wenesday	06:14	3.97	564.14	1
2	372968	WASTE MANANGEMENT	WM204208	IB-PRO PIT	3/16/2005	Wenesday	06:22	12.78	1816.04	2
2	372969	WASTE MANANGEMENT	WM408123	IB-PRO PIT	3/16/2005	Wenesday	06:45	5.14	730.39	3
2	372970	WASTE MANANGEMENT	WM407743	IB-PRO PIT	3/16/2005	Wenesday	06:47	5.93	842.65	4
2	372971	WASTE MANANGEMENT	WM406061	IB-PRO PIT	3/16/2005	Wenesday	06:54	6.97	990.44	5
2	372972	WASTE MANANGEMENT	WM408335	IB-PRO PIT	3/16/2005	Wenesday	06:57	4.07	578.35	6
2	372973	WASTE MANANGEMENT	WM408123	IB-PRO PIT	3/16/2005	Wenesday	07:19	4.28	608.19	7
2	372974	WASTE MANANGEMENT	WM408335	IB-PRO PIT	3/16/2005	Wenesday	07:22	7.56	1074.28	8
2	372975	WASTE MANANGEMENT	WM305558	IB-PRO PIT	3/16/2005	Wenesday	07:35	12.03	1709.46	9
2	372976	CITY OF KEY WEST PARK&RECREATI	KW0783	IB-BULKRES	3/16/2005	Wenesday	07:43	0.28	39.79	10
2	372977	U S Navy	USN0172	IB-BULKRES	3/16/2005	Wenesday	07:47	0.26	36.95	11
2	372978	WASTE MANANGEMENT	WM406061	IB-PRO PIT	3/16/2005	Wenesday	08:06	7.84	1114.06	12
2	372979	WASTE MANANGEMENT	WM408123	IB-PRO PIT	3/16/2005	Wenesday	08:12	3.65	518.67	13
2	372980	CASH CUSTOMERS		IB-CONSTRC	3/16/2005	Wenesday	08:14	0.14	19.89	14
2	372981	CITY OF KEY WEST PARK&RECREATI	KW0767	IB-YD WSTE	3/16/2005	Wenesday	08:15	1.44	204.62	15
2	372982	WASTE MANANGEMENT	WM673079	IB-BULKRES	3/16/2005	Wenesday	08:23	1.44	204.62	16
2	372983	WASTE MANANGEMENT	WM306781	IB-PRO PIT	3/16/2005	Wenesday	08:32	3.87	549.93	17
2	372984	WASTE MANANGEMENT	WM408335	IB-PRO PIT	3/16/2005	Wenesday	08:36	6.84	971.96	18
2	372985	CASH CUSTOMERS		IB-PRO PIT	3/16/2005	Wenesday	08:49	0.28	39.79	19
2	372986	Keys Pool Inc./Keys Builders		IB-CONSTRC	3/16/2005	Wenesday	08:51	0.14	19.89	20
2	372987	WASTE MANANGEMENT	WM204208	IB-PRO PIT	3/16/2005	Wenesday	08:51	12.82	1821.72	21
2	372988	CITY OF KEY WEST PARK&RECREATI	KW0783	IB-YD WSTE	3/16/2005	Wenesday	08:57	0.33	46.89	22
2	372989	CASH CUSTOMERS		IB-BULKRES	3/16/2005	Wenesday	08:59	0.22	31.26	23
2	372990	CITY OF KEY WEST PARK&RECREATI	KW0782	IB-BULKRES	3/16/2005	Wenesday	09:01	0.15	21.32	24
2	372991	U S Navy	USN0172	IN-METAL	3/16/2005	Wenesday	09:02	0.34	48.31	25
2	372992	CASH CUSTOMERS		IB-PRO PIT	3/16/2005	Wenesday	09:05	0.28	39.79	26
2	372994	CASH CUSTOMERS		IB-CONSTRC	3/16/2005	Wenesday	09:09	0.17	24.16	27
2	372995	TROPICAL SHELL & GIFTS INC	TSG0790	IB-PRO PIT	3/16/2005	Wenesday	09:14	0.25	35.53	28
2	372996	STELLER CARPET One		IB-BULKRES	3/16/2005	Wenesday	09:17	0.07	9.95	29
2	372999	CITY OF KEY WEST PARK&RECREATI	KW0783	IB-YD WSTE	3/16/2005	Wenesday	09:43	0.31	44.05	30
2	373000	CITY OF KEY WEST PARK&RECREATI	KW0730	IB-YD WSTE	3/16/2005	Wenesday	09:46	0.36	51.16	31
2	373001	CASH CUSTOMERS		IB-CONSTRC	3/16/2005	Wenesday	10:05	0.52	73.89	32
2	373002	WASTE MANANGEMENT	WM305557	IB-PRO PIT	3/16/2005	Wenesday	10:05	18.59	2641.64	33
2	373003	CASH CUSTOMERS		IB-YD WSTE	3/16/2005	Wenesday	10:12	0.37	52.58	34
2	373005	CITY OF KEY WEST PARK&RECREATI	KW0783	IB-YD WSTE	3/16/2005	Wenesday	10:15	0.33	46.89	35
2	373006	WASTE MANANGEMENT	WM305558	IB-PRO PIT	3/16/2005	Wenesday	10:16	7.50	1065.75	36

2	373043	WASTE MANANGEMENT	WM306781	IB-PRO PIT	3/17/2005	Thursday	06:10	3.73	530.03	1
2	373044	WASTE MANANGEMENT	WM408123	IB-PRO PIT	3/17/2005	Thursday	06:16	5.85	831.29	2
2	373045	WASTE MANANGEMENT	WM407743	IB-PRO PIT	3/17/2005	Thursday	06:31	6.75	959.18	3
2	373046	WASTE MANANGEMENT	WM204208	IB-PRO PIT	3/17/2005	Thursday	06:39	11.51	1635.57	4
2	373047	WASTE MANANGEMENT	WM406061	IB-PRO PIT	3/17/2005	Thursday	06:42	4.65	660.77	5
2	373048	WASTE MANANGEMENT	WM408123	IB-PRO PIT	3/17/2005	Thursday	06:59	2.92	414.93	6
2	373049	WASTE MANANGEMENT	WM406062	IB-PRO PIT	3/17/2005	Thursday	07:05	2.58	366.62	7
2	373050	WASTE MANANGEMENT	WM407743	IB-PRO PIT	3/17/2005	Thursday	07:14	3.15	447.62	8
2	373051	WASTE MANANGEMENT	WM407743	IB-PRO PIT	3/17/2005	Thursday	07:34	2.56	363.78	9
2	373052	WASTE MANANGEMENT	WM406061	IB-PRO PIT	3/17/2005	Thursday	07:35	5.43	771.60	10
2	373053	WASTE MANANGEMENT	WM408123	IB-PRO PIT	3/17/2005	Thursday	07:38	2.29	325.41	11
2	373054	WASTE MANANGEMENT	WM673079	IN-WHT GDS	3/17/2005	Thursday	07:55	1.87	265.73	12
2	373055	WASTE MANANGEMENT	WM406062	IB-PRO PIT	3/17/2005	Thursday	08:00	2.23	316.88	13
2	373056	WASTE MANANGEMENT	WM407743	IB-PRO PIT	3/17/2005	Thursday	08:03	0.80	113.68	14
2	373057	WASTE MANANGEMENT	WM305549	IB-PRO PIT	3/17/2005	Thursday	08:06	12.02	1708.04	15
2	373058	STELLER CARPET One	STR	IB-PRO PIT	3/17/2005	Thursday	08:13	0.05	7.11	16
2	373059	WASTE MANANGEMENT	WM204191	IB-PRO PIT	3/17/2005	Thursday	08:17	2.36	335.36	17
2	373060	CASH CUSTOMERS		IB-CONSTR	3/17/2005	Thursday	08:19	0.23	32.68	18
2	373061	CITY OF KEY WEST PARK&RECREATI	KW0730	IB-YD WSTE	3/17/2005	Thursday	08:21	0.12	17.05	19
2	373062	CITY OF KEY WEST PARK&RECREATI	KW0782	IB-PRO PIT	3/17/2005	Thursday	08:22	0.12	17.05	20
2	373063	CITY OF KEY WEST PARK&RECREATI	KW0783	IB-PRO PIT	3/17/2005	Thursday	08:23	0.16	22.74	21
2	373064	WASTE MANANGEMENT	WM306781	IB-PRO PIT	3/17/2005	Thursday	08:38	2.84	403.56	22
2	373065	U S Navy	USN0172	IB-YD WSTE	3/17/2005	Thursday	08:59	0.19	27.00	23
2	373066	KW Housing Authority	KWHA0151	IB-BULKRES	3/17/2005	Thursday	09:01	0.10	14.21	24
2	373066	KW Housing Authority	KWHA0151	IB-PRO PIT	3/17/2005	Thursday	09:01	0.30	42.63	25
2	373067	WASTE MANANGEMENT	WM408335	IB-PRO PIT	3/17/2005	Thursday	09:07	4.87	692.03	26
2	373068	WASTE MANANGEMENT	WM408123	IB-PRO PIT	3/17/2005	Thursday	09:10	5.81	825.60	27
2	373069	STELLER CARPET One	STR	IB-BULKRES	3/17/2005	Thursday	09:14	0.10	14.21	28
2	373070	WASTE MANANGEMENT	WM204208	IB-PRO PIT	3/17/2005	Thursday	09:21	13.57	1928.30	29
2	373071	WASTE MANANGEMENT	WM406062	IB-PRO PIT	3/17/2005	Thursday	09:26	3.25	461.83	30
2	373072	CASH CUSTOMERS		IB-CONSTR	3/17/2005	Thursday	09:30	0.19	27.00	31
2	373072	CASH CUSTOMERS		IN-METAL	3/17/2005	Thursday	09:30	0.19	27.00	32
2	373073	CITY OF KEY WEST PARK&RECREATI	KW0783	IB-YD WSTE	3/17/2005	Thursday	09:36	0.23	32.68	33
2	373074	DUNCAN AUTO SALES INC	DUNCAN	IB-CONSTR	3/17/2005	Thursday	09:40	0.06	8.53	34
2	373074	DUNCAN AUTO SALES INC	DUNCAN	IN-METAL	3/17/2005	Thursday	09:40	0.06	8.53	35
2	373075	CASH CUSTOMERS		IB-BULKRES	3/17/2005	Thursday	09:42	0.42	59.68	36

2 373075 CASH CUSTOMERS		IB-YD WSTE 3/17/2005	Thursday	09:42	0.97	137.84	37
2 373077 CASH CUSTOMERS		IB-YD WSTE 3/17/2005	Thursday	09:49	0.23	32.68	38
2 373078 U S Navy	USN0773	IB-PRO PIT 3/17/2005	Thursday	09:51	4.63	657.92	39
2 373079 U S Navy	USN0185	IN-METAL 3/17/2005	Thursday	10:02	0.70	99.47	40
2 373081 WASTE MANAGEMENT	WM305557	IB-PRO PIT 3/17/2005	Thursday	10:10	19.70	2799.37	41
2 373082 CITY OF KEY WEST PARK&RECREATI	KW0783	IB-YD WSTE 3/17/2005	Thursday	10:15	0.23	32.68	42
2 373083 WASTE MANAGEMENT	WM305558	IB-PRO PIT 3/17/2005	Thursday	10:22	4.31	612.45	43
2 373084 WASTE MANAGEMENT	WM408123	IB-PRO PIT 3/17/2005	Thursday	10:24	6.97	990.44	44
2 373086 WASTE MANAGEMENT	WM410343	IB-PRO PIT 3/17/2005	Thursday	10:36	0.19	27.00	45
2 373087 CASH CUSTOMERS		IN-METAL 3/17/2005	Thursday	10:40	0.45	63.95	46
2 373088 CASH CUSTOMERS		IB-CONSTRC 3/17/2005	Thursday	10:41	0.39	55.42	47
2 373090 WASTE MANAGEMENT	WM305549	IB-PRO PIT 3/17/2005	Thursday	10:43	12.11	1720.83	48
2 373091 CITY OF KEY WEST PARK&RECREATI	KW0783	IB-YD WSTE 3/17/2005	Thursday	10:48	0.24	34.10	49
2 373093 U S Navy	USN0185	IB-PRO PIT 3/17/2005	Thursday	11:00	0.94	133.57	50
2 373094 U S Navy	USN0172	IB-YD WSTE 3/17/2005	Thursday	11:01	0.31	44.05	51
2 373096 WASTE MANAGEMENT	WM305556	IB-PRO PIT 3/17/2005	Thursday	11:07	11.80	1676.78	52
2 373097 WASTE MANAGEMENT	WM673079	IB-BULKRES 3/17/2005	Thursday	11:08	2.73	387.93	53
2 373099 CITY OF KEY WEST PARK&RECREATI	KW0783	IB-YD WSTE 3/17/2005	Thursday	11:16	0.22	31.26	54
2 373100 CASH CUSTOMERS		IB-CONSTRC 3/17/2005	Thursday	11:19	1.60	227.36	55
2 373101 First State Bank of the Keys	USN0376	IB-CONSTRC 3/17/2005	Thursday	11:24	0.26	36.95	56
2 373102 U S Navy	WM306781	IN-C&D 3/17/2005	Thursday	11:25	4.41	626.66	57
2 373103 WASTE MANAGEMENT	WM305557	IB-PRO PIT 3/17/2005	Thursday	11:34	2.45	348.15	58
2 373106 WASTE MANAGEMENT	STR	IB-PRO PIT 3/17/2005	Thursday	11:43	2.50	355.25	59
2 373107 STELLER CARPET One		IB-PRO PIT 3/17/2005	Thursday	11:44	0.05	7.11	60
2 373108 CITY OF KEY WEST SPE. PROJECTS	EYW0359	IB-PRO PIT 3/17/2005	Thursday	11:49	5.89	836.97	61
2 373109 MONROE COUNTY KEY WEST		IB-PRO PIT 3/17/2005	Thursday	11:50	0.03	4.26	62
2 373110 CASH CUSTOMERS		IN-C&D 3/17/2005	Thursday	11:55	0.53	75.31	63
2 373111 CASH CUSTOMERS		IB-BULKRES 3/17/2005	Thursday	11:59	0.19	27.00	64
2 373112 WASTE MANAGEMENT	WM408335	IB-PRO PIT 3/17/2005	Thursday	12:00	5.31	754.55	65
2 373113 WASTE MANAGEMENT	WM410343	IB-PRO PIT 3/17/2005	Thursday	12:10	0.18	25.58	66
2 373114 WASTE MANAGEMENT-IN RECYCLABL	WMR506554	IW-RECYCLE 3/17/2005	Thursday	12:12	7.59	0.00	67
2 373116 WASTE MANAGEMENT	WM673079	IB-BULKRES 3/17/2005	Thursday	12:19	1.43	203.20	68
2 373117 CITY OF KEY WEST SPE. PROJECTS		IN-C&D 3/17/2005	Thursday	12:39	11.52	1636.99	69
2 373118 WASTE MANAGEMENT	WM408123	IB-PRO PIT 3/17/2005	Thursday	12:41	0.98	139.26	70
2 373119 CASH CUSTOMERS		IB-CONSTRC 3/17/2005	Thursday	12:44	0.37	52.58	71
2 373120 U S Navy	USN0773	IB-PRO PIT 3/17/2005	Thursday	12:47	1.99	282.78	72
2 373123 MONROE COUNTY KEY WEST	EYW0359	IB-PRO PIT 3/17/2005	Thursday	13:38	0.05	7.11	73
2 373124 CASH CUSTOMERS		IN-METAL 3/17/2005	Thursday	13:50	0.27	38.37	74

2 373126	U S Navy	USN0172	IB-YD WSTE	3/17/2005	Thursday	13:58	0.30	42.63	75
2 373127	Toppino/no charge	TOP0182	IB-YD WSTE	3/17/2005	Thursday	14:05	0.55	0.00	76
2 373128	CASH CUSTOMERS		IB-PRO PIT	3/17/2005	Thursday	14:07	0.40	56.84	77
2 373129	WASTE MANAGEMENT	WM305549	IB-PRO PIT	3/17/2005	Thursday	14:08	5.59	794.34	78
2 373130	CITY OF KEY WEST PARK&RECREATI	KW0104	IB-PRO PIT	3/17/2005	Thursday	14:10	0.27	38.37	79
2 373132	KW Housing Authority	KWHA0151	IB-PRO PIT	3/17/2005	Thursday	14:26	0.34	48.31	80
2 373133	CITY OF KEY WEST PARK&RECREATI	KW0767	IB-YD WSTE	3/17/2005	Thursday	14:36	1.98	281.36	81
2 373134	CASH CUSTOMERS		IN-METAL	3/17/2005	Thursday	14:39	0.20	28.42	82
2 373135	U S Navy	USN0318	IN-METAL	3/17/2005	Thursday	14:42	0.77	109.42	83
2 373137	WASTE MANAGEMENT	WM673079	IN-WHT GDS	3/17/2005	Thursday	15:04	5.20	738.92	84
2 373138	CASH CUSTOMERS		IB-YD WSTE	3/17/2005	Thursday	15:26	0.22	31.26	85
2 373139	CASH CUSTOMERS		IB-CONSTR	3/17/2005	Thursday	15:28	0.16	22.74	86
2 373140	CASH CUSTOMERS		IB-PRO PIT	3/17/2005	Thursday	15:30	0.07	9.95	87
2 373140	CASH CUSTOMERS		IN-METAL	3/17/2005	Thursday	15:30	0.20	28.42	88

2 373141	WASTE MANANGEMENT	WM406061	IB-PRO PIT	3/18/2005	Friday	06:06	4.88	693.45	1
2 373142	WASTE MANANGEMENT	WM306781	IB-PRO PIT	3/18/2005	Friday	06:11	4.15	589.72	2
2 373143	WASTE MANANGEMENT	WM204208	IB-PRO PIT	3/18/2005	Friday	06:34	12.62	1793.30	3
2 373144	WASTE MANANGEMENT	WM408123	IB-PRO PIT	3/18/2005	Friday	06:38	6.82	969.12	4
2 373145	WASTE MANANGEMENT	WM406061	IB-PRO PIT	3/18/2005	Friday	06:50	3.95	561.30	5
2 373146	WASTE MANANGEMENT	WM406062	IB-PRO PIT	3/18/2005	Friday	06:58	1.93	274.25	6
2 373147	WASTE MANANGEMENT	WM408335	IB-PRO PIT	3/18/2005	Friday	07:08	5.90	838.39	7
2 373148	WASTE MANANGEMENT	WM408123	IB-PRO PIT	3/18/2005	Friday	07:28	4.89	694.87	8
2 373149	WASTE MANANGEMENT	WM673079	IN-WHT GDS	3/18/2005	Friday	07:34	1.27	180.47	9
2 373150	WASTE MANANGEMENT	WM408335	IB-PRO PIT	3/18/2005	Friday	08:12	6.60	937.86	10
2 373151	WASTE MANANGEMENT	WM406062	IB-PRO PIT	3/18/2005	Friday	08:14	4.82	684.92	11
2 373153	WASTE MANANGEMENT	WM408123	IB-PRO PIT	3/18/2005	Friday	08:27	7.33	1041.59	12
2 373155	WASTE MANANGEMENT	WM408335	IB-PRO PIT	3/18/2005	Friday	08:58	1.91	271.41	13
2 373156	CITY OF KEY WEST PARK&RECREATI	KW0783	IB-PRO PIT	3/18/2005	Friday	08:59	0.40	56.84	14
2 373157	WASTE MANANGEMENT	WM406062	IB-PRO PIT	3/18/2005	Friday	09:01	0.68	96.63	15
2 373158	CITY OF KEY WEST PARK&RECREATI	KW0781	IB-PRO PIT	3/18/2005	Friday	09:10	0.10	14.21	16
2 373159	WASTE MANANGEMENT	WM410341	IB-PRO PIT	3/18/2005	Friday	09:18	3.78	537.14	17
2 373160	TROPICAL SHELL & GIFTS INC	TSG0790	IB-PRO PIT	3/18/2005	Friday	09:21	0.26	36.95	18
2 373161	U S Navy	USN0310	IB-BULKRES	3/18/2005	Friday	09:28	1.72	244.41	19
2 373162	WASTE MANANGEMENT	WM408123	IB-PRO PIT	3/18/2005	Friday	09:29	7.36	1045.86	20
2 373163	WASTE MANANGEMENT	WM305558	IB-PRO PIT	3/18/2005	Friday	09:30	15.12	2148.55	21
2 373164	WASTE MANANGEMENT-IN RECYCLABL	WMR506554	IW-RECYCLE	3/18/2005	Friday	09:33	4.43	0.00	22
2 373165	CITY OF KEY WEST PUBLIC WORKS	KW0735	IB-PRO PIT	3/18/2005	Friday	09:36	0.45	63.95	23
2 373166	CASH CUSTOMERS		IB-CONSTR	3/18/2005	Friday	09:40	0.22	31.26	24
2 373167	CITY OF KEY WEST PARK&RECREATI	KW0751	IB-CONSTR	3/18/2005	Friday	09:41	2.03	288.46	25
2 373168	WASTE MANANGEMENT	WM204208	IB-PRO PIT	3/18/2005	Friday	09:43	15.22	2162.76	26
2 373169	WASTE MANANGEMENT	WM305557	IB-PRO PIT	3/18/2005	Friday	09:47	18.87	2681.43	27
2 373170	U S Navy	USN0352	IB-PRO PIT	3/18/2005	Friday	09:55	0.83	117.94	28
2 373172	CASH CUSTOMERS		IB-BULKRES	3/18/2005	Friday	10:37	0.16	22.74	29
2 373173	WASTE MANANGEMENT	WM406061	IB-PRO PIT	3/18/2005	Friday	10:38	1.92	272.83	30
2 373175	CASH CUSTOMERS		IB-PRO PIT	3/18/2005	Friday	10:44	0.09	12.79	31
2 373177	WASTE MANANGEMENT	WM673079	IW-RECYCLE	3/18/2005	Friday	10:57	5.38	0.00	32
2 373178	WASTE MANANGEMENT	WM305556	IB-PRO PIT	3/18/2005	Friday	10:59	13.86	1969.51	33

2 373179	WASTE MANAGEMENT	WM305549	IB-PRO PIT	3/18/2005	Friday	11:08	14.69	2087.45	34
2 373180	WASTE MANAGEMENT	WM408123	IB-YD WSTE	3/18/2005	Friday	11:12	5.57	791.50	35
2 373181	U S Navy	USN0352	IN-METAL	3/18/2005	Friday	11:32	0.29	41.21	36
2 373181	U S Navy	USN0352	IB-PRO PIT	3/18/2005	Friday	11:32	0.67	95.21	37
2 373183	CASH CUSTOMERS		IW-RECYCLE	3/18/2005	Friday	11:53	0.31	0.00	38
2 373183	CASH CUSTOMERS		IN-METAL	3/18/2005	Friday	11:53	0.12	17.05	39
2 373184	CITY OF KEY WEST D.O.T.	KW0642	IB-PRO PIT	3/18/2005	Friday	11:54	0.25	35.53	40
2 373185	WASTE MANAGEMENT	WM306791	IB-PRO PIT	3/18/2005	Friday	11:57	3.08	437.67	41
2 373187	WASTE MANAGEMENT	WM406061	IB-PRO PIT	3/18/2005	Friday	12:08	4.99	709.08	42
2 373188	First State Bank of the Keys		IB-BULKRES	3/18/2005	Friday	12:21	0.12	17.05	43
2 373189	WASTE MANAGEMENT	WM204208	IB-PRO PIT	3/18/2005	Friday	12:21	10.46	1486.37	44
2 373190	WASTE MANAGEMENT	WM408123	IB-PRO PIT	3/18/2005	Friday	12:28	4.42	628.08	45
2 373191	U S Navy	USN0773	IB-PRO PIT	3/18/2005	Friday	12:35	6.84	971.96	46
2 373192	CASH CUSTOMERS		IB-YD WSTE	3/18/2005	Friday	12:43	0.08	11.37	47
2 373193	CASH WEIGH ONLY	WT	IW-WEIGH \$	3/18/2005	Friday	12:43	3.81	5.00	48
2 373194	CASH CUSTOMERS		IB-CONSTR	3/18/2005	Friday	12:46	0.11	15.63	49
2 373195	WASTE MANAGEMENT	WM673079	IW-RECYCLE	3/18/2005	Friday	12:46	3.73	0.00	50
2 373198	CASH CUSTOMERS		IN-WHT GDS	3/18/2005	Friday	13:13	0.07	9.95	51
2 373199	CASH CUSTOMERS		IB-CONSTR	3/18/2005	Friday	13:19	0.82	116.52	52
2 373200	CASH CUSTOMERS		IB-CONSTR	3/18/2005	Friday	13:20	0.29	41.21	53
2 373201	WASTE MANAGEMENT	WM305556	IB-PRO PIT	3/18/2005	Friday	13:23	6.32	898.07	54
2 373203	STELLER CARPET One	STR	IB-PRO PIT	3/18/2005	Friday	13:37	0.12	17.05	55
2 373204	WASTE MANAGEMENT	WM306791	IB-PRO PIT	3/18/2005	Friday	13:37	1.77	251.52	56
2 373205	CASH CUSTOMERS		IB-CONSTR	3/18/2005	Friday	13:42	0.28	39.79	57
2 373206	WASTE MANAGEMENT	WM305557	IB-PRO PIT	3/18/2005	Friday	13:42	9.90	1406.79	58
2 373207	CASH CUSTOMERS		IB-CONSTR	3/18/2005	Friday	14:03	0.34	48.31	59
2 373208	Toppino/no charge RIGHT OF WAY	TOP0182	IB-YD WSTE	3/18/2005	Friday	14:03	0.78	0.00	60
2 373210	WASTE MANAGEMENT	WM673079	IB-YD WSTE	3/18/2005	Friday	14:31	6.54	929.33	61
2 373211	CASH CUSTOMERS		IB-CONSTR	3/18/2005	Friday	14:41	0.20	28.42	62
2 373212	CASH CUSTOMERS		IB-YD WSTE	3/18/2005	Friday	14:45	0.44	62.52	63
2 373213	U S Navy	USN0172	IB-YD WSTE	3/18/2005	Friday	14:48	0.12	17.05	64
2 373214	CASH CUSTOMERS		IB-PRO PIT	3/18/2005	Friday	14:52	0.28	39.79	65
2 373215	KW Housing Authority	KWHA0151	IB-PRO PIT	3/18/2005	Friday	14:53	0.56	79.58	66
2 373216	Samuell's House Inc.		IB-BULKRES	3/18/2005	Friday	14:59	0.28	39.79	67
2 373217	CASH CUSTOMERS		IN-C&D	3/18/2005	Friday	15:00	0.24	34.10	68
2 373218	CASH CUSTOMERS		IN-C&D	3/18/2005	Friday	15:04	0.26	36.95	69
2 373219	CASH CUSTOMERS		IN-METAL	3/18/2005	Friday	15:14	0.14	19.89	70

2 373220	WASTE MANAGEMENT	WM306781	IB-PRO PIT	3/19/2005	Saturday	06:19	4.05	575.51	1
2 373221	WASTE MANAGEMENT	WM207950	IB-PRO PIT	3/19/2005	Saturday	06:28	13.34	1895.61	2
2 373222	CASH CUSTOMERS		IB-PRO PIT	3/19/2005	Saturday	07:41	0.19	27.00	3
2 373226	WASTE MANAGEMENT	WM407743	IB-PRO PIT	3/19/2005	Saturday	07:54	5.15	731.82	4
2 373228	CASH CUSTOMERS		IB-CONSTR	3/19/2005	Saturday	08:15	0.30	42.63	5
2 373229	WASTE MANAGEMENT	WM306791	IB-PRO PIT	3/19/2005	Saturday	08:27	4.31	612.45	6
2 373230	WASTE MANAGEMENT	WM305558	IB-PRO PIT	3/19/2005	Saturday	08:38	12.52	1779.09	7
2 373231	WASTE MANAGEMENT	WM407743	IB-PRO PIT	3/19/2005	Saturday	08:39	3.93	558.45	8
2 373233	WASTE MANAGEMENT	WM207950	IB-PRO PIT	3/19/2005	Saturday	09:49	15.76	2239.50	9
2 373234	CASH CUSTOMERS		IB-CONSTR	3/19/2005	Saturday	09:55	0.10	14.21	10
2 373234	CASH CUSTOMERS		IB-BULKRES	3/19/2005	Saturday	09:55	0.01	1.42	11
2 373235	WASTE MANAGEMENT	WM306791	IB-PRO PIT	3/19/2005	Saturday	10:05	1.89	268.57	12
2 373236	CASH CUSTOMERS		IB-CONSTR	3/19/2005	Saturday	10:07	0.09	12.79	13
2 373237	WASTE MANAGEMENT	WM305557	IB-PRO PIT	3/19/2005	Saturday	10:11	19.67	2795.11	14
2 373238	WASTE MANAGEMENT	WM305549	IB-PRO PIT	3/19/2005	Saturday	10:14	14.45	2053.35	15
2 373239	WASTE MANAGEMENT	WM305556	IB-PRO PIT	3/19/2005	Saturday	10:39	12.01	1706.62	16
2 373240	CASH CUSTOMERS		IB-YD WSTE	3/19/2005	Saturday	10:47	0.04	5.68	17
2 373242	MONROE TIRE & AUTO SERV CENTER	MT0124	IB-TIRES	3/19/2005	Saturday	11:46	0.41	58.26	18
2 373243	WASTE MANAGEMENT	WM207950	IB-PRO PIT	3/19/2005	Saturday	11:49	4.61	655.08	19
2 373244	WASTE MANAGEMENT	WM305549	IB-PRO PIT	3/19/2005	Saturday	12:18	4.42	628.08	20
2 373245	CASH CUSTOMERS		IB-PRO PIT	3/19/2005	Saturday	12:27	0.14	19.89	21
2 373245	CASH CUSTOMERS		IN-METAL	3/19/2005	Saturday	12:27	0.05	7.11	22
2 373246	CASH CUSTOMERS		IB-CONSTR	3/19/2005	Saturday	12:31	0.24	34.10	23
2 373247	WASTE MANAGEMENT	WM305556	IB-PRO PIT	3/19/2005	Saturday	12:37	3.71	527.19	24
2 373249	CASH CUSTOMERS		IB-YD WSTE	3/19/2005	Saturday	13:37	0.15	21.32	25

3	16755 U S Navy	USN0185	IN-METAL	3/17/2005	12:07	0.70	99.47
3	16757 U S Navy	USN0185	IB-PRO PIT	3/17/2005	12:12	0.94	133.57

¹Waste Management Packers, Roll off and Frontend loaders

²City of Key West Vehicles

³Cash Customers

⁴Account Holders

⁵US NAVY

¹Inbound trucks are leave Rockland (storage yard) go to Key West and return to T/S full

²These include mostly pickup trucks used by City staff

³General public using their own vehicles

⁴Commercial customers using pickups or small trucks

⁵US Navy two packer trucks and some pickups

⁶Report does not include Buld Express trucks inbound from Miami

**2005 LEVEL OF SERVICE
&
RESERVE CAPACITY**

2005 LEVEL OF SERVICE AND RESERVE CAPACITY

SEGMENT	LENGTH (miles)	FACILITY TYPE	POSTED SPEED		ADJ. FOR SIGNAL (mph)	ADJUSTED LOS C CRITERIA (mph)	MEDIAN TRAVEL SPEED (mph)	LOS	RESERVE SPEED (mph)	2005		2004	
										MAXIMUM RESERVE VOLUME (trips)	5% ALLOCATION BELOW LOS C (trips)	MAXIMUM RESERVE VOLUME (trips)	5% ALLOCATION BELOW LOS C (trips)
			Limits (mph)	Average (mph)									
1 Stock Island (4.0 - 5.0)	1.1	4-L/D	30/35/45	38.3	N/A	22.0	30.2	B	8.2	1,494	N/A	8,456	N/A
2 Boca Chica (5.0 - 9.0)	3.9	4-L/D	55/45	54.1	N/A	49.6	55.8	A	6.2	4,004	N/A	5,577	N/A
3 Big Coppitt (9.0 - 10.5)	1.5	2-L/U	45/55	49.7	N/A	45.2	44.7	D	-0.5	0	426	231	N/A
4 Saddlebunch (10.5 - 16.5)	5.8	2-L/U	45/55	54.1	N/A	49.6	50.9	C	1.3	1,249	N/A	3,945	N/A
5 Sugarloaf (16.5 - 20.5)	4.0	2-L/U	45/55	52.1	N/A	47.6	46.6	D	-1.0	0	885	489	N/A
6 Cudjoe (20.5 - 23.0)	2.5	2-L/U	45/55	45.5	N/A	41.0	47.8	A	6.8	2,815	N/A	2,928	N/A
7 Summerland (23.0 - 25.0)	2.2	2-L/U	45	45.0	N/A	40.5	45.7	B	5.2	1,894	N/A	2,151	N/A
8 Ramrod (25.0 - 27.5)	2.3	2-L/U	45	45.0	N/A	40.5	47.8	A	7.3	2,780	N/A	2,251	N/A
9 Torch (27.5 - 29.5)	2.1	2-L/U	45	45.0	N/A	40.5	46.8	A	6.3	2,191	N/A	2,478	N/A
10 Big Pine (29.5 - 33.0)	3.4	2-L/U	45	45.0	2.9	37.6	36.4	D	-1.2	0	406	659	N/A
11 Bahia Honda (33.0 - 40.0)	7.0	2-L/U (70%) 4-L/D (30%)	45/50/55	52.1	N/A	47.6	52.6	B	5.0	5,796	N/A	5,698	N/A
12 7-Mile Bridge (40.0 - 47.0)	6.8	2-L/U	55	55.0	N/A	50.5	56.6	A	6.1	6,869	N/A	2,881	N/A
13 Marathon (47.0 - 54.0)	7.3	2-L/U (13%) 4-L/D (87%)	35/45	42.2	N/A	22	35.2	A	13.2	15,957	N/A	16,000	N/A
14 Grassy (54.0 - 60.5)	6.4	2-L/U	45/55	54.4	N/A	49.9	49.5	D	-0.4	0	2225	389	N/A
15 Duck (60.5 - 63.0)	2.7	2-L/U	55	55.0	N/A	50.5	53.6	B	3.1	1,386	N/A	1,735	N/A
16 Long (63.0 - 73.0)	9.9	2-L/U	55/45	53.5	N/A	49	50.8	C	1.8	2,951	N/A	6,452	N/A
17 L Matecumbe (73.0 - 77.5)	4.5	2-L/U	55	55.0	N/A	50.5	50.0	D	-0.5	0	1516	0	1,881
18 Tea Table (77.5 - 79.5)	2.2	2-L/U	55/45	54.6	N/A	50.1	49.9	D	-0.2	0	835	0	512
19 U Matecumbe (79.5 - 84.0)	4.1	2-L/U	45	45.0	N/A	40.5	39.1	D	-1.4	0	397	257	N/A
20 Windley (84.0 - 86.0)	1.9	2-L/U	45	45.0	7.5	33.0	41.8	A	8.8	2,769	N/A	2,814	N/A
21 Plantation (86.0 - 91.5)	5.8	2-L/U	45	45.0	2.2	38.3	39.4	C	1.1	1,057	N/A	1,753	N/A
22 Tavernier (91.5 - 99.5)	8.0	4-L/D	45/50	47.1	1.0	41.6	47.7	A	6.1	8,081	N/A	8,918	N/A
23 Key Largo (99.5 - 106.0)	6.8	4-L/D	45	45.0	3.3	37.2	44.7	A	7.5	8,446	N/A	9,492	N/A
24 Cross (106.0 - 112.5)	6.2	2-L/U	45/55	51.8	N/A	47.3	44.4	D	-2.9	0	0	0	67
Overall	108.4					45.0	45.3	C	0.3				



Owners Name:
Address::
City State Zip:

ROCKLAND OPERATIONS LLC
P O BOX 787
KEY WEST, FL 33041:

PAVEX CORPORATION
P O BOX 15065
WEST PALM BEACH, FL 33416:

A&B LAND INVESTMENTS INC
121 U S HWY ONE SUITE 106
KEY WEST, FL 33040:

ROCKLAND OPERATIONS LLC
P O BOX 787
KEY WEST, FL 33041:

ROCKLAND OPERATIONS LLC
PO BOX 787
KEY WEST, FL 33041:

TOPPINO FRANK P LIMITED
PARTNERSHIP THE
37 EVERGREEN AVENUE
KEY WEST, FL 33040:

TOPPINO EDWARD SR LAND
TRUST DTD 8/2/04
P O BOX 787
KEY WEST, FL 33041:

TOPPINO FRANK P LIMITED
PARTNERSHIP THE
37 EVERGREEN AVENUE
KEY WEST, FL 33040:

FPT LAND TRUST NO 1
P O BOX 787
KEY WEST, FL 33041:

ROCKLAND RECYCLING
CENTER INC
P O DRAWER 1149
KEY WEST, FL 33041-6103:

TOPPINO EDWARD FAMILY
LIMITED PARTNERSHIP THE
46 CYPRESS AVE
KEY WEST, FL 33040:

TOPPINO'S INC
P O BOX 787
KEY WEST, FL 33041-0787:

FLORIDA KEYS AQUEDUCT
AUTHORITY
P O BOX 1239
KEY WEST, FL 33041-1239:

TOPPINO EDWARD SR LAND
TRUST DTD 8/2/04
P O BOX 787
KEY WEST, FL 33041:

ROCKLAND INVESTMENT
CORPORATION INC
121 US HWY 1 SUITE 109
KEY WEST, FL 33040:

MONROE COUNTY
1100 SIMONTON ST
KEY WEST, FL 33040:

ROCKLAND INVESTMENT
CORP
121 US HIGHWAY 1 STE109
KEY WEST, FL 33040:

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City of Key West – Solid Waste Transfer Station

Rockland Key

Amendment to Major Conditional Use

Signed & Sealed

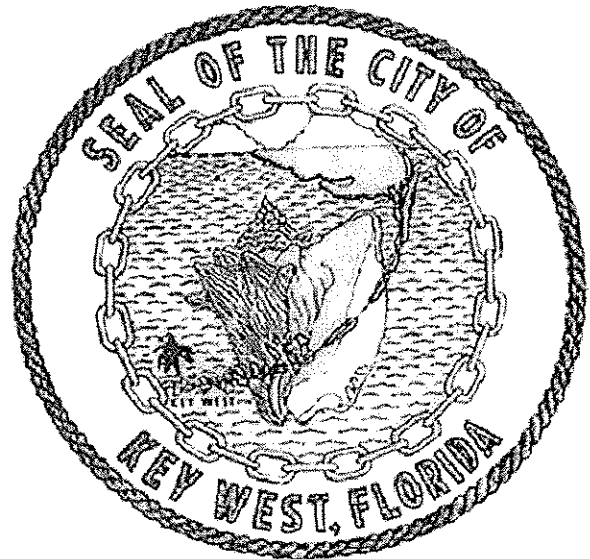
Critical Public Infrastructure

Post Hurricane Recovery Site

Advanced Solid Waste Handling

Industrial Traffic Reorientation

Improved Airspace Safety



PREPARED BY:

TREPANIER & ASSOCIATES, INC.

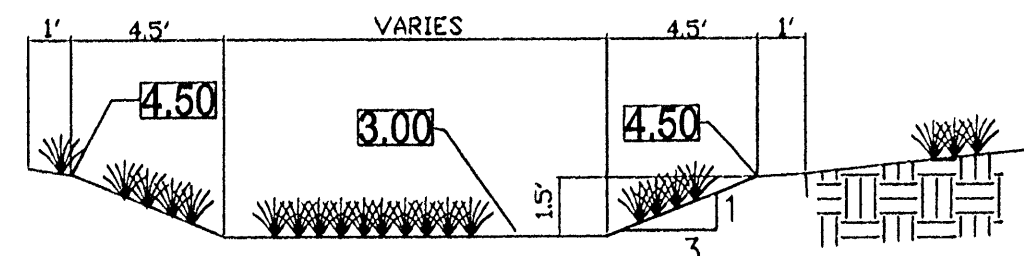
LAND USE PLANNERS & DEVELOPMENT CONSULTANTS

1026 Thomas Street, Key West, FL 33040, Ph: 305-293-8897 Fax: 305-293-8748

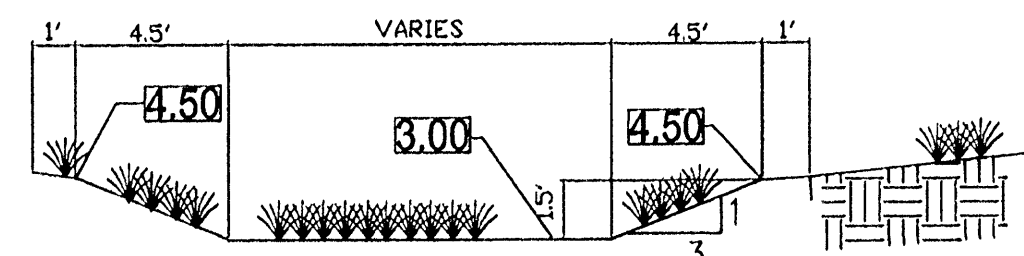
www.OwenTrepanier.com

30' 0 30'

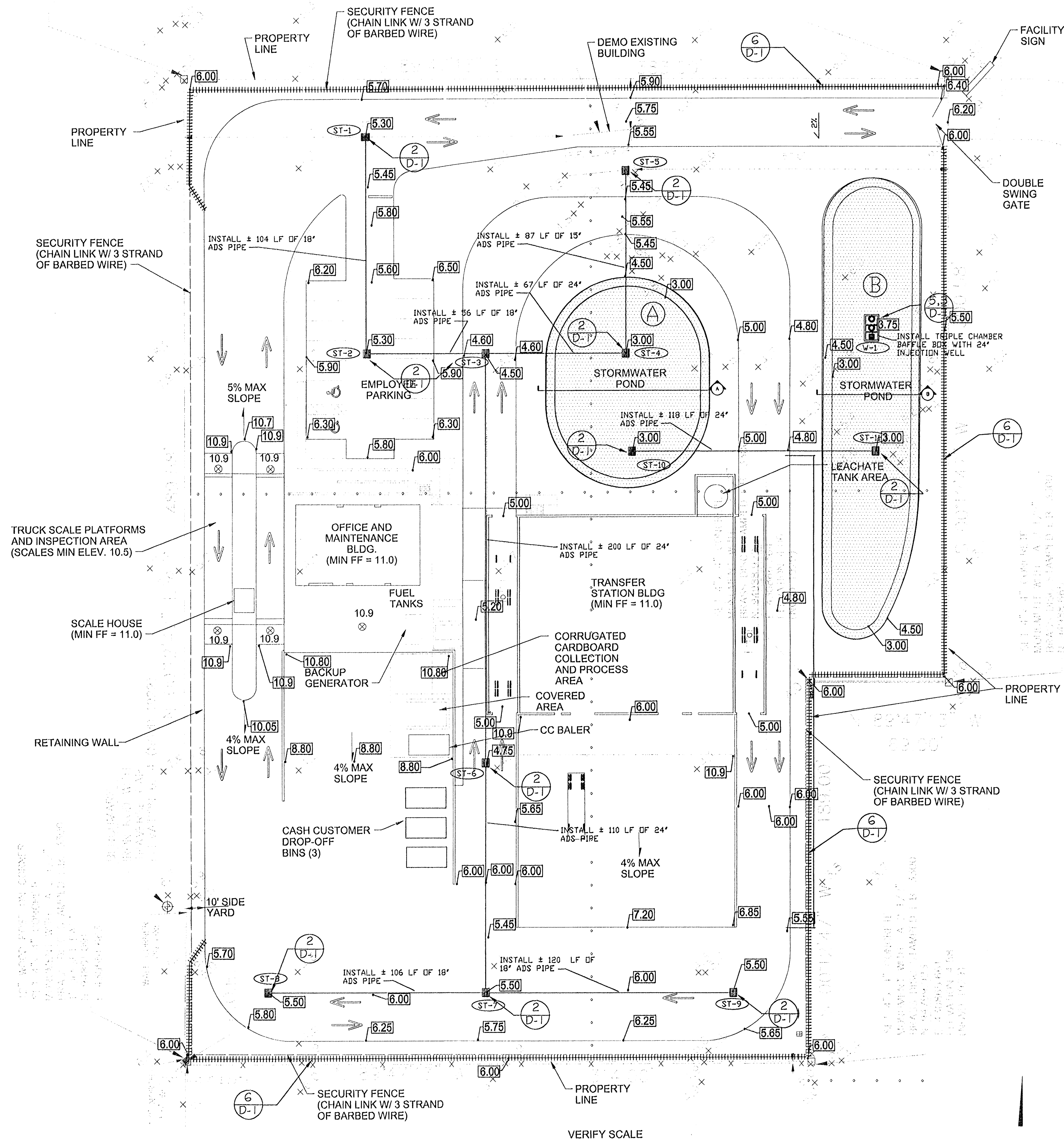
BAR IS TWO INCHES ON ORIGINAL DRAWINGS
IF NOT TWO INCHES ON THIS SHEET ADJUST
SCALES ACCORDINGLY.



SWALE SECTION A
N.T.S.



SWALE SECTION B
N.T.S.



DRAINAGE CALCULATIONS

WATER QUANTITY - PRE DEVELOPMENT

PROJECT AREA = 4.0 Ac.
PERVIOUS AREA = 3.98 Ac.
IMPERVIOUS AREA = 0.02 Ac.
% IMPERVIOUS = 0.50%

RAINFALL FOR 25yr/24hr EVENT (P) = 9 in.
RAINFALL FOR 25yr/3day EVENT (P) = 12.23 in.

DEPTH TO WATER TABLE = 2 FT
DEVELOPED AVAILABLE STORAGE = 2.5 in.
SOIL STORAGE (S) = (2.5 in)(1 - 0.0050) = 2.49 in.

$Q_{pre} = \frac{(P - 0.2S)^2}{(P + 0.8S)} = \frac{(12.23 - (0.2)(2.49))^2}{(12.23 + (0.8)(2.49))} = 9.68 \text{ in.}$

WATER QUANTITY - POST DEVELOPMENT

PROJECT AREA = 4.0 Ac.
PERVIOUS AREA = 1.38 Ac.
IMPERVIOUS AREA = 2.62 Ac.
% IMPERVIOUS = 65.5%

RAINFALL FOR 25yr/24hr EVENT (P) = 9 in.
RAINFALL FOR 25yr/3day EVENT (P) = 12.23 in.

DEPTH TO WATER TABLE = 2 FT
DEVELOPED AVAILABLE STORAGE = 1.88 in.
SOIL STORAGE (S) = (1.88 in)(1 - 0.655) = 0.65 in.

$Q_{post} = \frac{(P - 0.2S)^2}{(P + 0.8S)} = \frac{(12.23 - (0.2)(0.65))^2}{(12.23 + (0.8)(0.65))} = 11.49 \text{ in.}$

POSTDEVELOPMENT - PREDEVELOPMENT

$Q_{post} - Q_{pre} = 11.49 \text{ in.} - 9.68 \text{ in.} = 1.81 \text{ in.}$
VOLUME = QA = (1.81 in.)(4.0 ac) = 7.22 Ac-in

WATER QUALITY

DRAINAGE BASIN AREA = 4.0 AC
ROOF AREA = 0.68 AC
PAVEMENT/WALKWAYS = 1.97 AC

SITE AREA FOR WATER QUALITY = 3.34 AC
(TOTAL AREA - (WATER SURFACE + ROOF AREA))

IMPERVIOUS AREA FOR WATER QUALITY = 1.97 AC
(SITE AREA FOR WATER QUALITY - PERVIOUS AREA)

% IMPERVIOUS (EXCLUDING ROOF AREA) = 58.85%

A) ONE INCH OF RUNOFF FROM DRAINAGE BASIN = 4.00 Ac-in
B) 2.5 INCHES TIMES PERCENT IMPERVIOUS = 5.89 Ac-in
C) INDUSTRIAL USE 0.5 IN PRETREATMENT MINIMUM
(0.5 in)(4.00 Ac) = 2.00 Ac-in

50% REDUCTION DUE TO DRY RETENTION = 2.94 Ac-in. = 10,682 CF

INJECTION WELL DESIGN

DESIGN VOLUME = (11.49 in)(4.00 Ac) = 45.94 Ac-in
DESIGN RATE = (45.94 Ac-in) / 72 hr = 0.638 Ac-in/hr
ASSUMED (K) VALUE BETWEEN 60' TO 100' = 0.03 cf/sec/ft
WELL DIAMETER (D) = 2 FT.
SURFACE AREA PER FOOT OF WELL LENGTH (SA) = 3.14 SF
LENGTH OF OPEN HOLE (L) = 30.00 FT.
WELL DISCHARGE CAPACITY = (K)(SA)(L) = 2.83 cfs
2.83 cfs > 0.618 cfs

RETENTION PONDS

VOLUME REQUIRED = 10,682 CF
VOLUME PROVIDED:
RETENTION POND A = 4615 CF
RETENTION POND B = 6482 CF
TOTAL = 11,077 CF

LEGEND

- +++++ PERIMETER BERM
- 3.80 PROPOSED GRADE
- EXISTING GRADE
- FLOW
- SWALE

General Notes:

48 HOURS BEFORE DIGGING
CALL TOLL FREE
1-800-432-4770
SUNSHINE STATE UNDERGROUND
UTILITIES NOTIFICATION CENTER

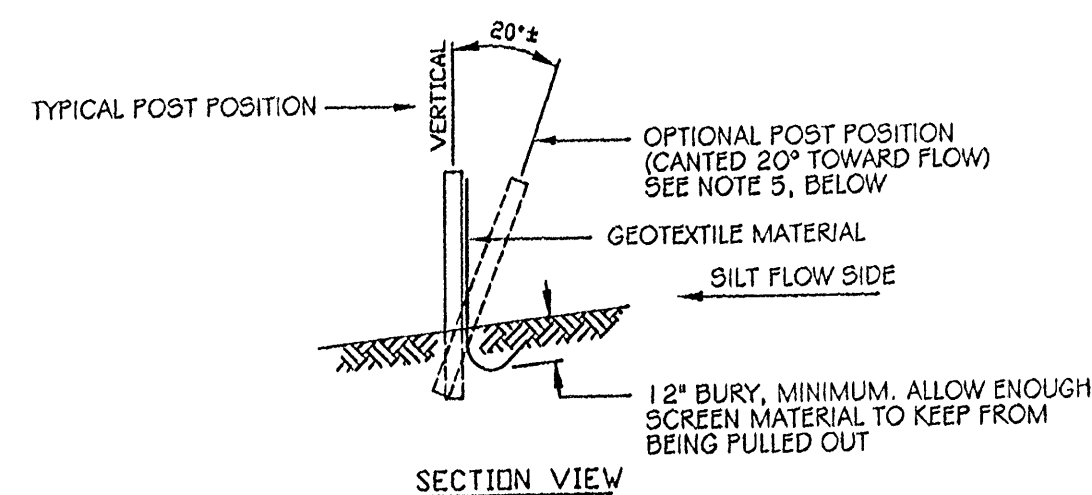
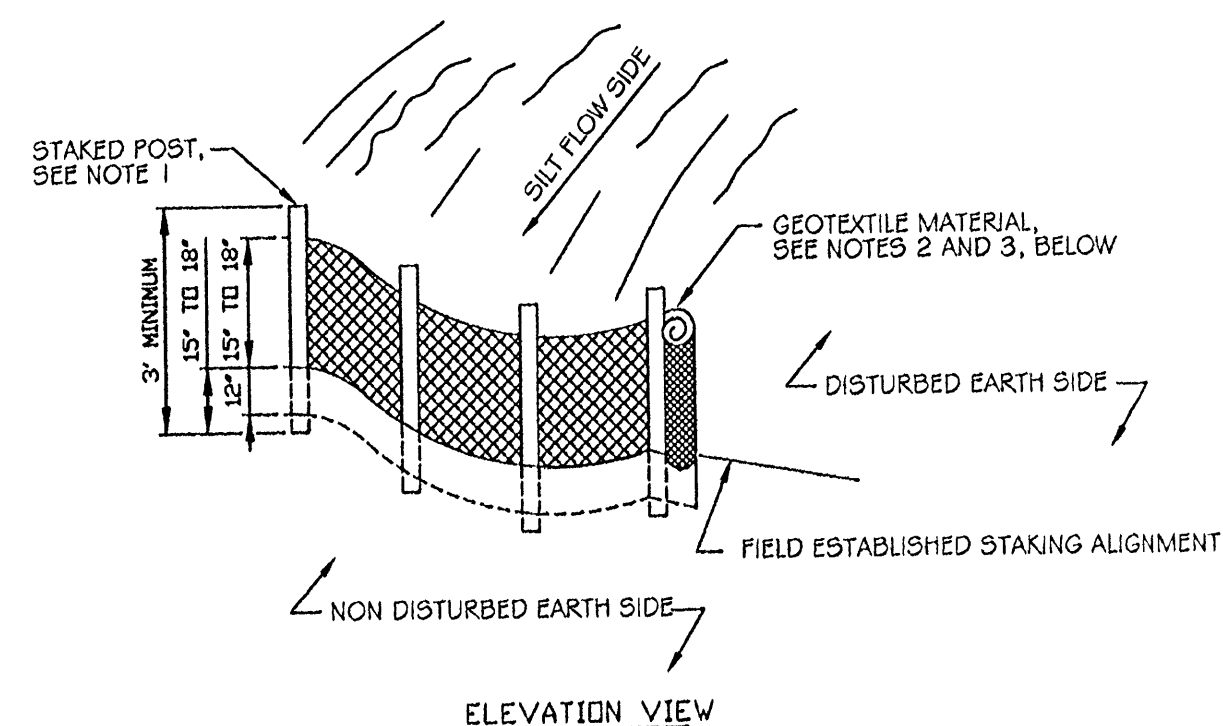
P E & D, Inc.
Certificate of Authorization #8579
**Perez Engineering
& Development, Inc.**
1010 KENNEDY DRIVE, SUITE 400
Key West, FL 33040
ph: (305) 293-9440 • fax: (305) 298-0243

Designed By: **JWR**
Checked By: **AEP**
Drawn By: **HBJ**

FILE: **DRAINAGE.DWG**
Date: **1/5/06**
Scale: **AS NOTED**

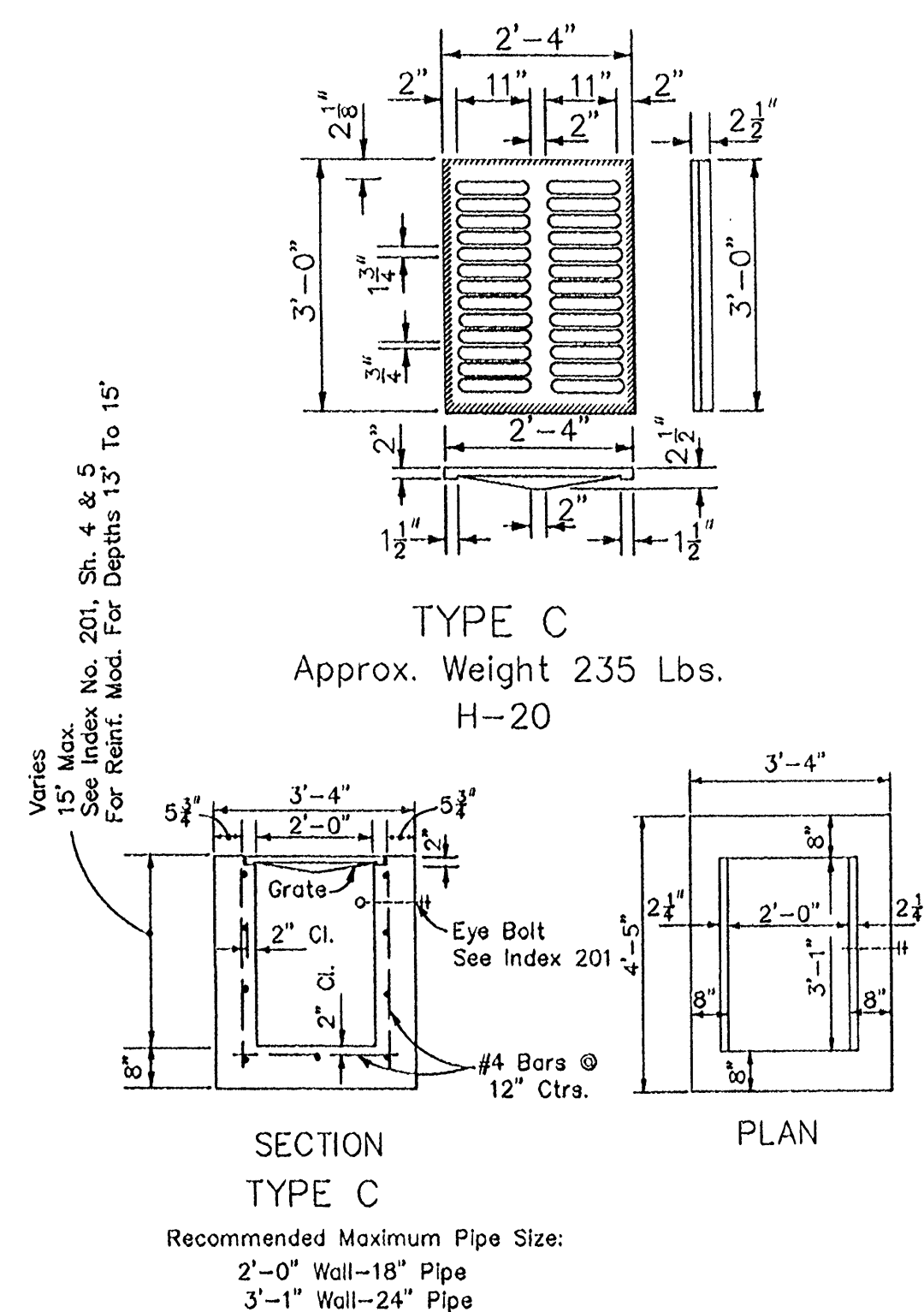
CITY OF KEY WEST
TRANSFER STATION
ROCKLAND KEY, FLORIDA
CONCEPTUAL DRAINAGE PLAN

Allen E. Perez
ALLEN E. PEREZ 1/5/06
P.E. #51468
NOT VALID FOR CONSTRUCTION UNLESS
SIGNED AND SEALED IN THIS BLOCK
Sheet
C-1

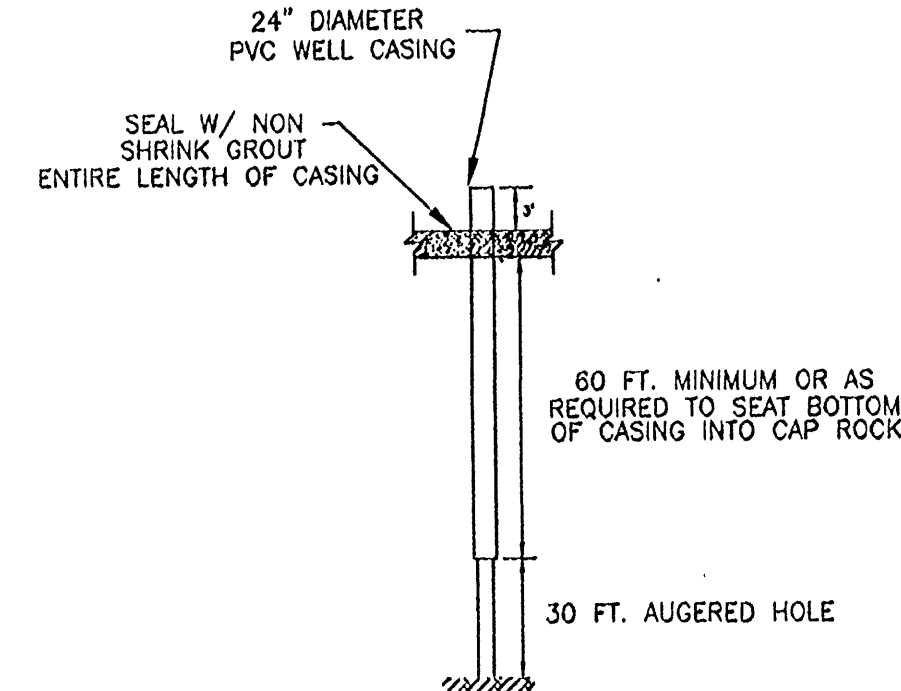


- NOTES:
1. POST: 2"x2" WOOD, P.T. OR 2-1/2" STEEL AT 6' CENTERS, MAXIMUM.
 2. GEOTEXTILE: GRAB TENSILE AT 90 LBS, TRAPEZOIDAL TEAR AT 35 LBS, MULLEN BURST AT 180 PSI.
 3. GEOTEXTILE MATERIAL SHALL BE BURIED IN THE GROUND A MINIMUM OF 12" AND BACK FILLED.
 4. ALSO SEE FOOT INDEX 199, "GEOTEXTILE CRITERIA", EROSION CLASS.
 5. OPTIONAL POST POSITION REQUIRED WHEN SLOPE IS GREATER THAN 1:2.

1
**STAKED SILT
STAKED SILT BARRIER DETAIL**
C-1 NOT TO SCALE

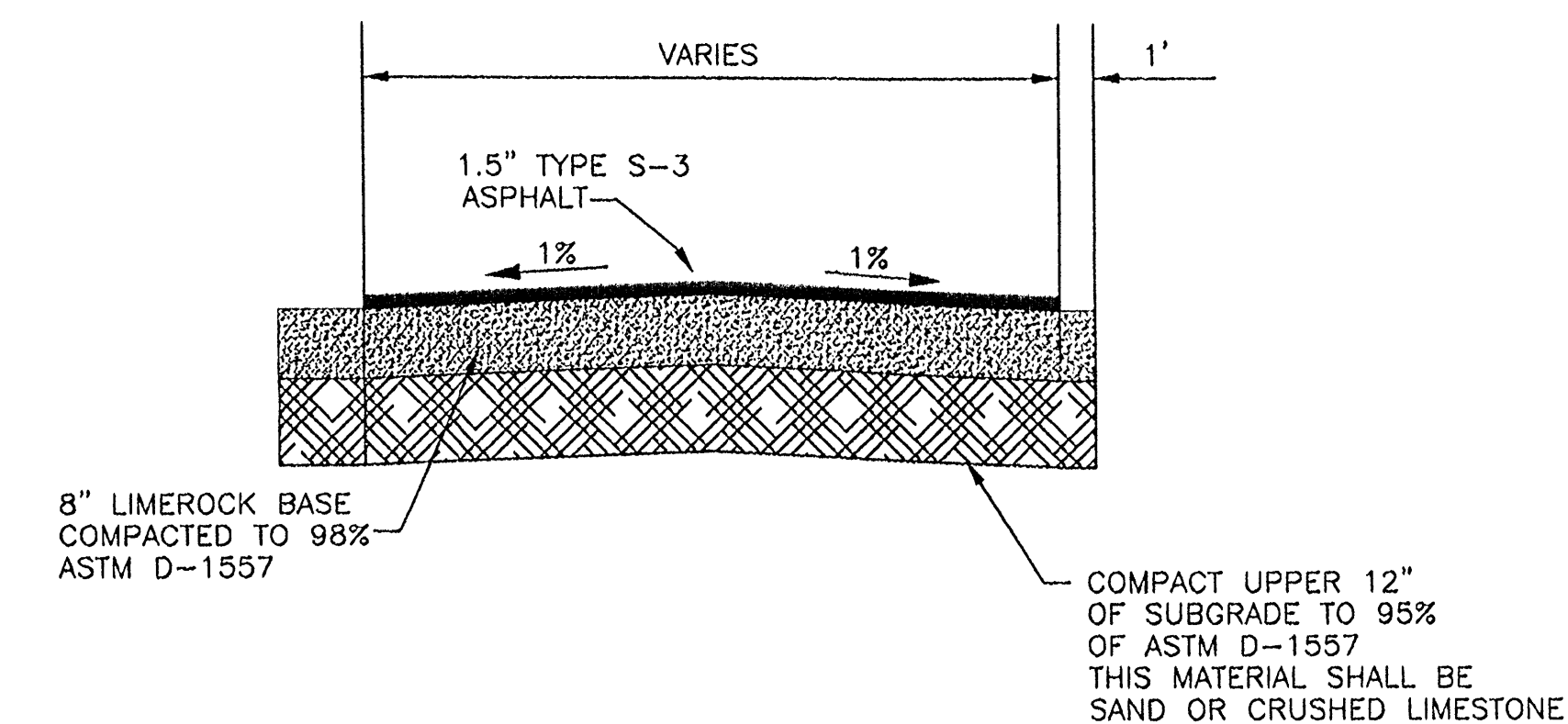


2
TYPE "C" CATCH BASIN
C-1 NOT TO SCALE

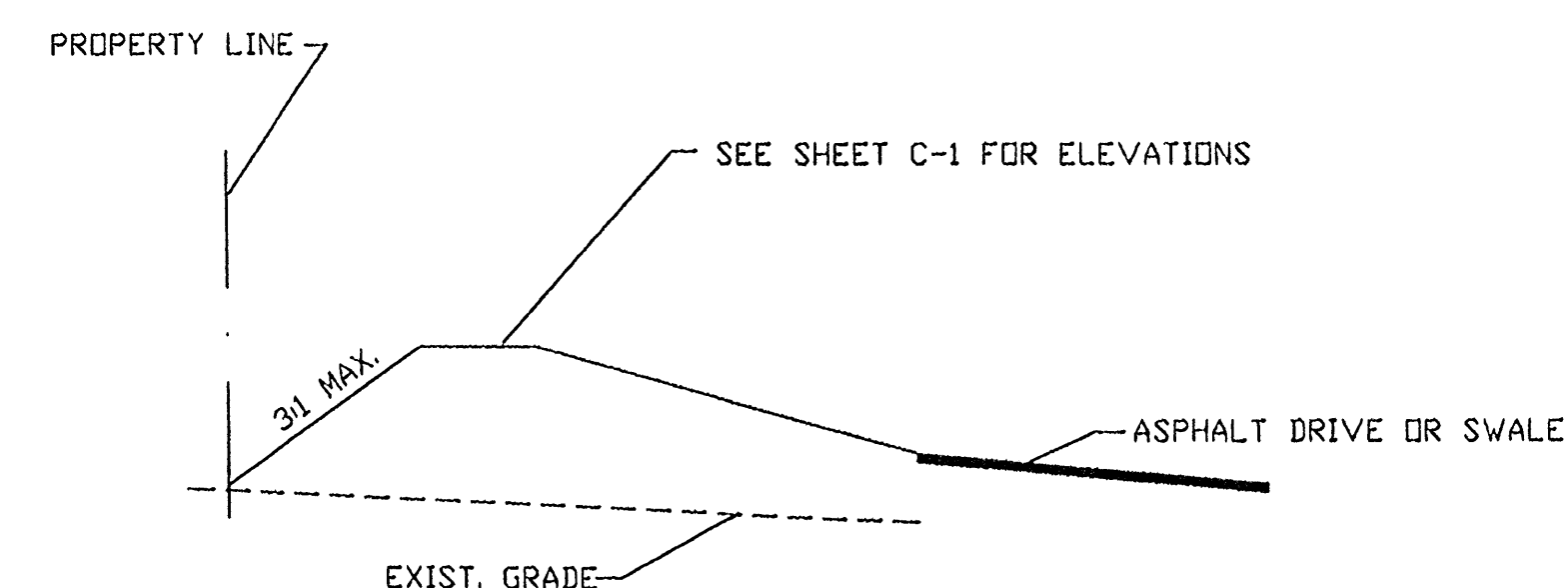


3
STORMWATER INJECTION WELL
C-1 N.T.S.

STORM STRUCTURES DATA			
ST-1 DITCH BOTTOM INLET GRATE EL. = 5.30 I.E. = 1.80 (S)	ST-2 DITCH BOTTOM INLET GRATE EL. = 5.3 I.E. = 1.60 (N) I.E. = 1.60 (E)	ST-3 DITCH BOTTOM INLET(ADA) GRATE EL. = 4.5 I.E. = 0.80 (W) I.E. = 0.30 (E)(S)	ST-4 DITCH BOTTOM INLET GRATE EL. = 3.00 I.E. = (-)0.20 (W) I.E. = 0.10 (N)
ST-5 DITCH BOTTOM INLET GRATE EL. = 5.30 I.E. = 1.80 (S)	ST-6 DITCH BOTTOM INLET GRATE EL. = 4.75 I.E. = 0.50(N)(S)	ST-7 DITCH BOTTOM INLET GRATE EL. = 5.50 I.E. = 0.70 (N) I.E. = 1.20 (E)(W)	ST-8 DITCH BOTTOM INLET GRATE EL. = 5.50 I.E. = 1.40 (E)
ST-9 DITCH BOTTOM INLET GRATE EL. = 5.50 I.E. = 1.40 (W)	ST-10 DITCH BOTTOM INLET GRATE EL. = 3.00 I.E. = (-)0.50 (E)	ST-11 DITCH BOTTOM INLET GRATE EL. = 3.00 I.E. = (-)0.70 (W)	W-1 INJECTION WELL GRATE EL. = 3.75

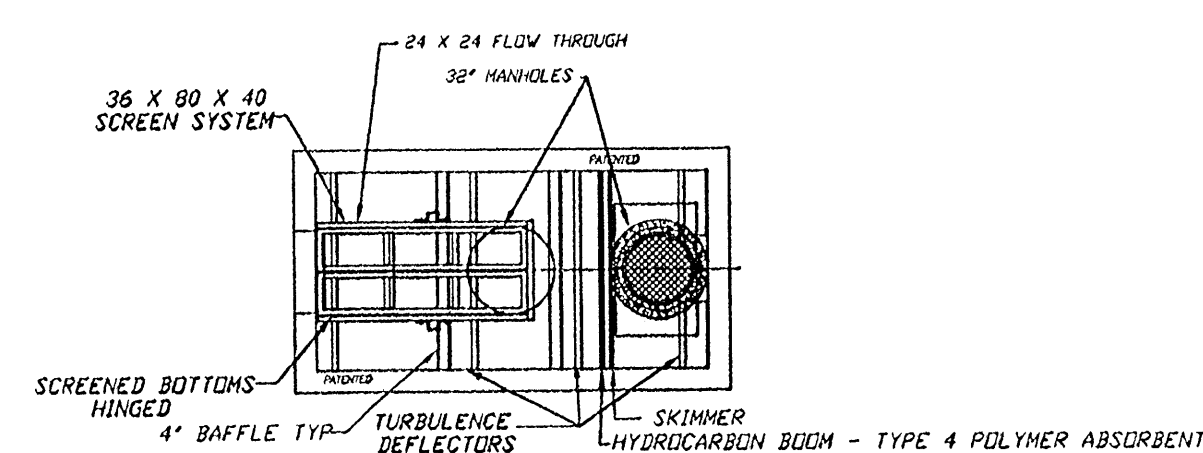
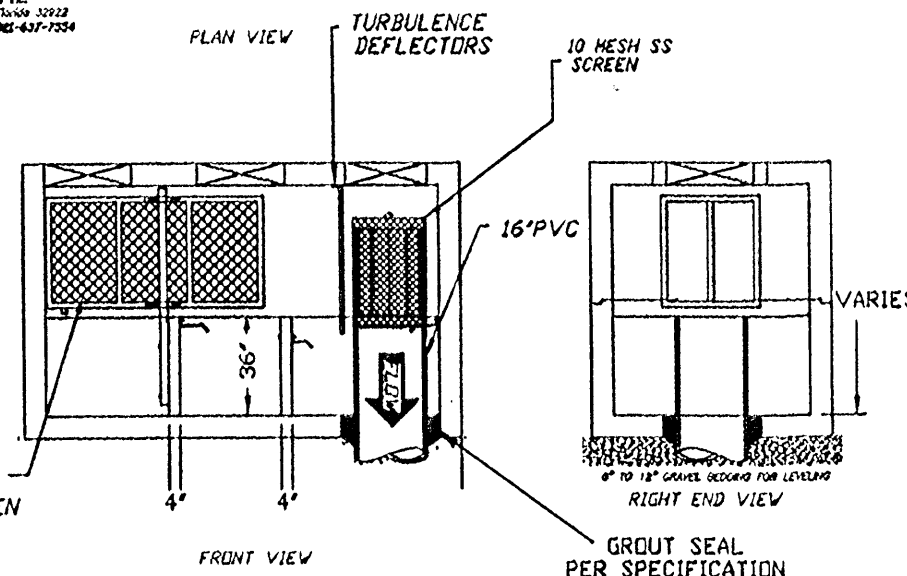
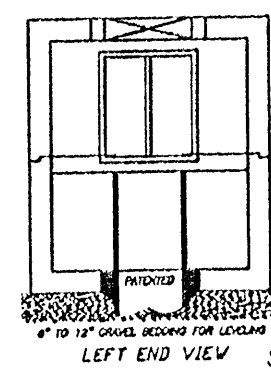
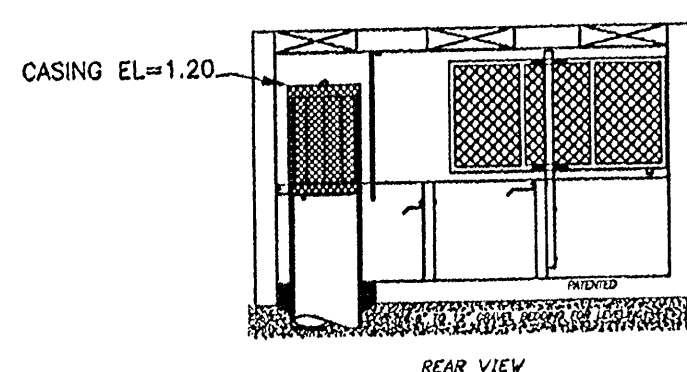


4
TYPICAL PAVEMENT SECTION
C-1 NOT TO SCALE



6
PERIMETER BERM
C-1 N.T.S.

- NOTES:
1. CONCRETE 28 DAY COMPRESSIVE STRENGTH (C=5,000 PSI).
 2. REINFORCING: ASTM A-815, GRADE 60.
 3. SUPPORTS AN H2O LOADING AS INDICATED BY AASHTO.
 4. JOINT SEALANT: BUTYL RUBBER SS-S-00210
 5. ALL WALLS, TOP + BOTTOM ARE 6" THICK.
 6. STEEL EMBEDDED IN CONCRETE 3" MINIMUM FROM EDGE
 7. MODEL # NSBB 6-12-72



5
**STORMWATER DRAINAGE BAFFLE BOX
WITH INJECTION WELL (GRAVITY)**
ST-17
C-1 NOT TO SCALE

Small text block containing technical specifications and contact information for Perez Engineering & Development, Inc.

General Notes:

48 HOURS BEFORE DIGGING
CALL TOLL FREE
1-800-432-4770
SUNSHINE STATE UNDERGROUND
UTILITIES NOTIFICATION CENTER

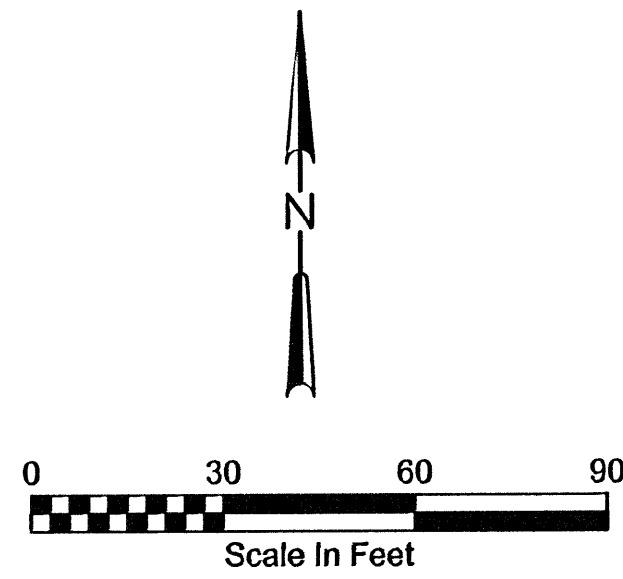
P E & D , Inc.
Certificate of Authorization #8579
**Perez Engineering
& Development, Inc.**
1010 KENNEDY DRIVE SUITE 400
Key West, FL 33040
ph: (305) 293-9440 * fax: (305) 298-0243

Designed By: **JWR**
Checked By: **AEP**
Drawn By: **HBJ**
Project: **CIVIL**
Date: **01/05/06**
Scale: **AS NOTED**

**CITY OF KEY WEST
TRANSFER STATION
ROCKLAND KEY, FLORIDA**

STORM DETAILS

Allen E. Perez
ALLEN E. PEREZ 1/6/06
NOT VALID FOR CONSTRUCTION UNLESS
SIGNED AND SEALED IN THIS BLOCK
Sheet
D-1

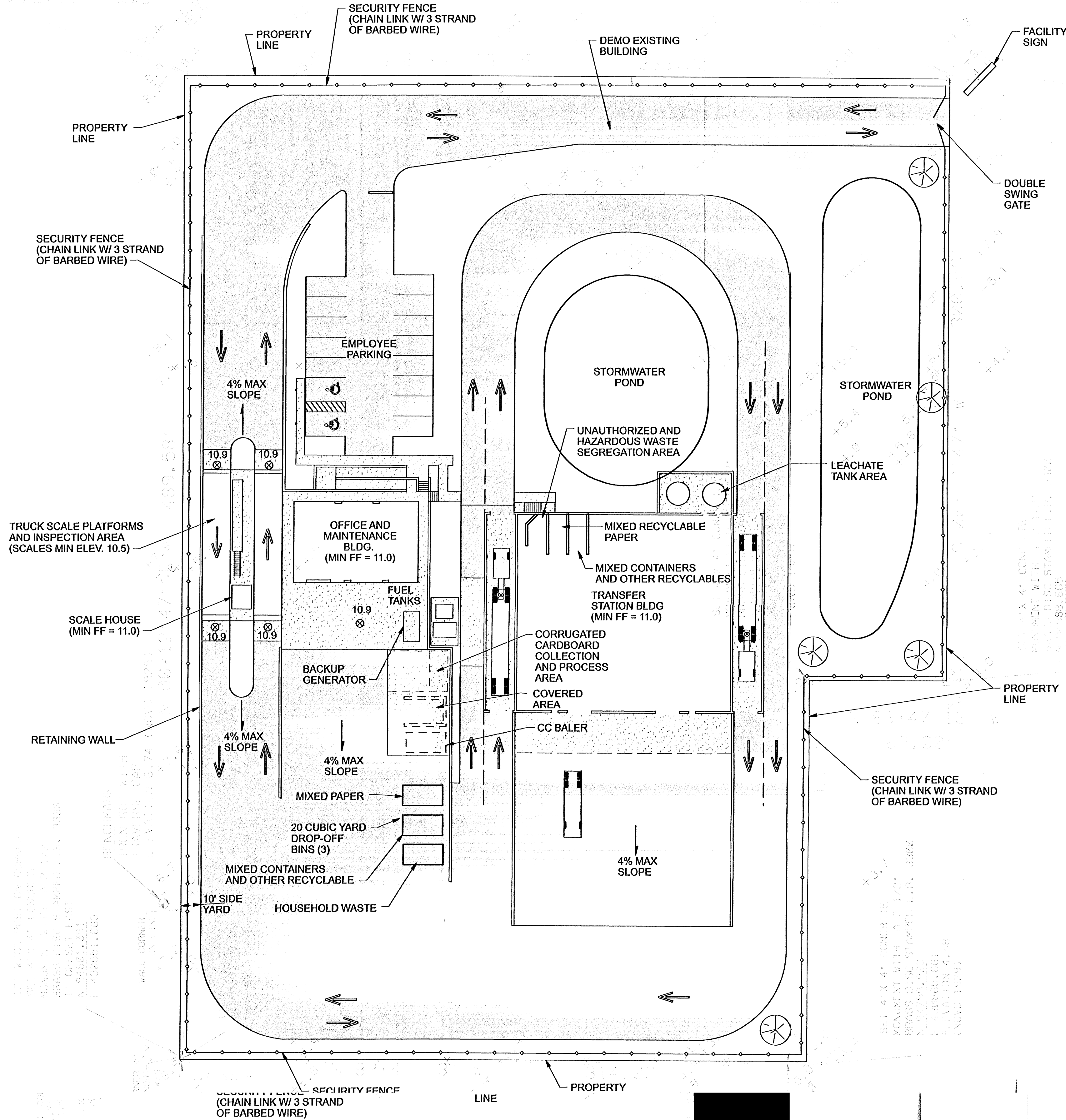


NOTES:

1. FACILITY LOCATION:
APPROX. 1400 FT NORTH OF HIGHWAY US-1,
NEAR MILE MARKER 9
ROCKLAND KEY, FLORIDA
SECTION 21
TOWNSHIP 67S
RANGE 26E
2. OWNER:
CITY OF KEY WEST
627 PALM AVENUE
KEY WEST, FLORIDA 33040
3. CONTACT PERSON:
R.B.HAVENS
PUBLIC WORKS DIRECTOR
PHONE: (305) 292-8170
EMAIL: rbhavens@keywestcity.com
4. PROPERTY INFORMATION:
TOTAL ACREAGE: 4.0 ACRES
BASE FLOOD ELEVATION = 10.0 FT NGVD
FEMA MAP #: 12087C1733 H
FLOOD ZONED: AE
ZONING: INDUSTRIAL
5. RETAINING WALLS MAY BE REPLACED WITH
COMPACTED EARTHEN SLOPES NO STEEPER
THAN 3H:1V.
6. ALL SIDE SLOPES SHALL BE NOT STEEPER THAN
3H:1V.
7. THE SPOT ELEVATIONS ARE PRELIMINARY.
CONTRACTOR IS RESPONSIBLE FOR FINAL
GRADING.
8. ACCESSIBLE PARKING LOT SIGNS AND SPACES
SHALL BE PLACED ACCORDING TO THE FLORIDA
ACCESSABILITY CODE AND ZONING REQUIREMENTS.
9. SURVEY DATA BASED ON A SURVEY PROVIDED BY:
AVIROM & ASSOCIATES, INC.
SURVEYING AND MAPPING
50 S.W. 2ND AVENUE, SUITE 102
BOCA RATON, FLORIDA 33432
TEL. (561) 392-2594
DATED: 08/08/05

LEGEND:

- RETAINING WALL
- ASPHALT PAVEMENT
- CONCRETE PAVEMENT/
SIDEWALK
- TRAFFIC DIRECTION



DSGN			
DR			
CHK			
APVD			
NO.	DATE	REVISION	

APPROVALS:	
BY	APVD

CH2MHILL
3011 SW WILLISTON ROAD
GAINESVILLE, FLORIDA 32608
EB0000072 AAC001992

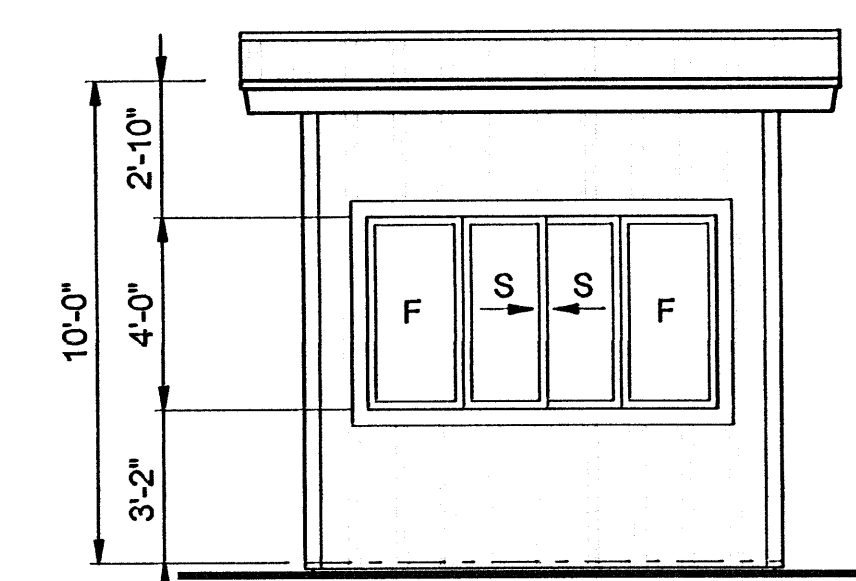
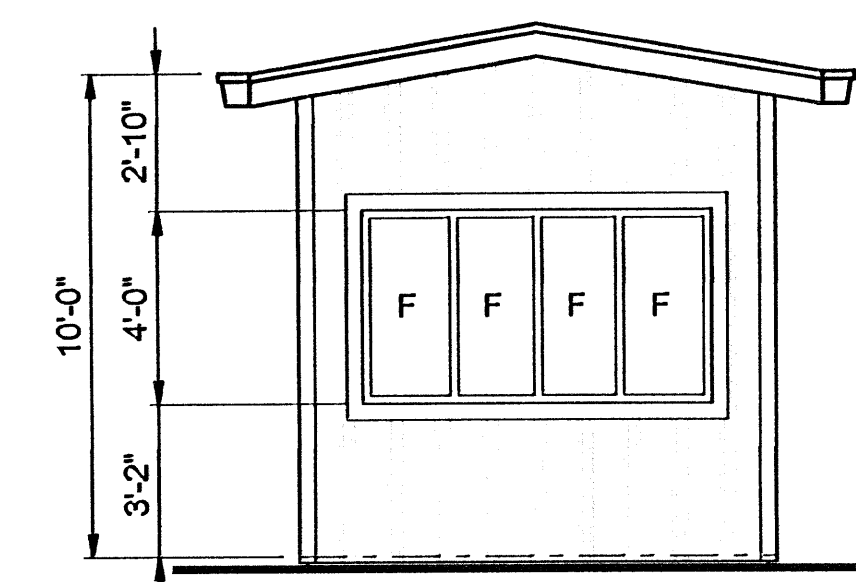
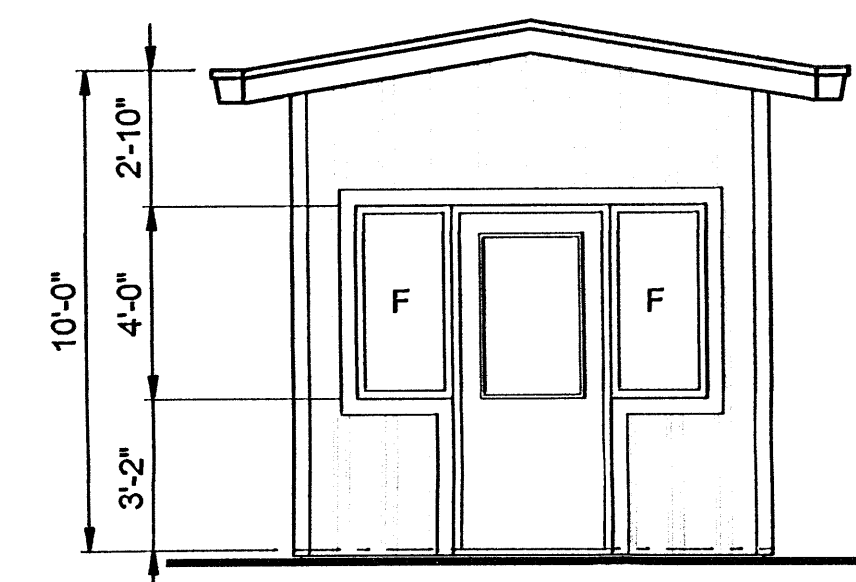
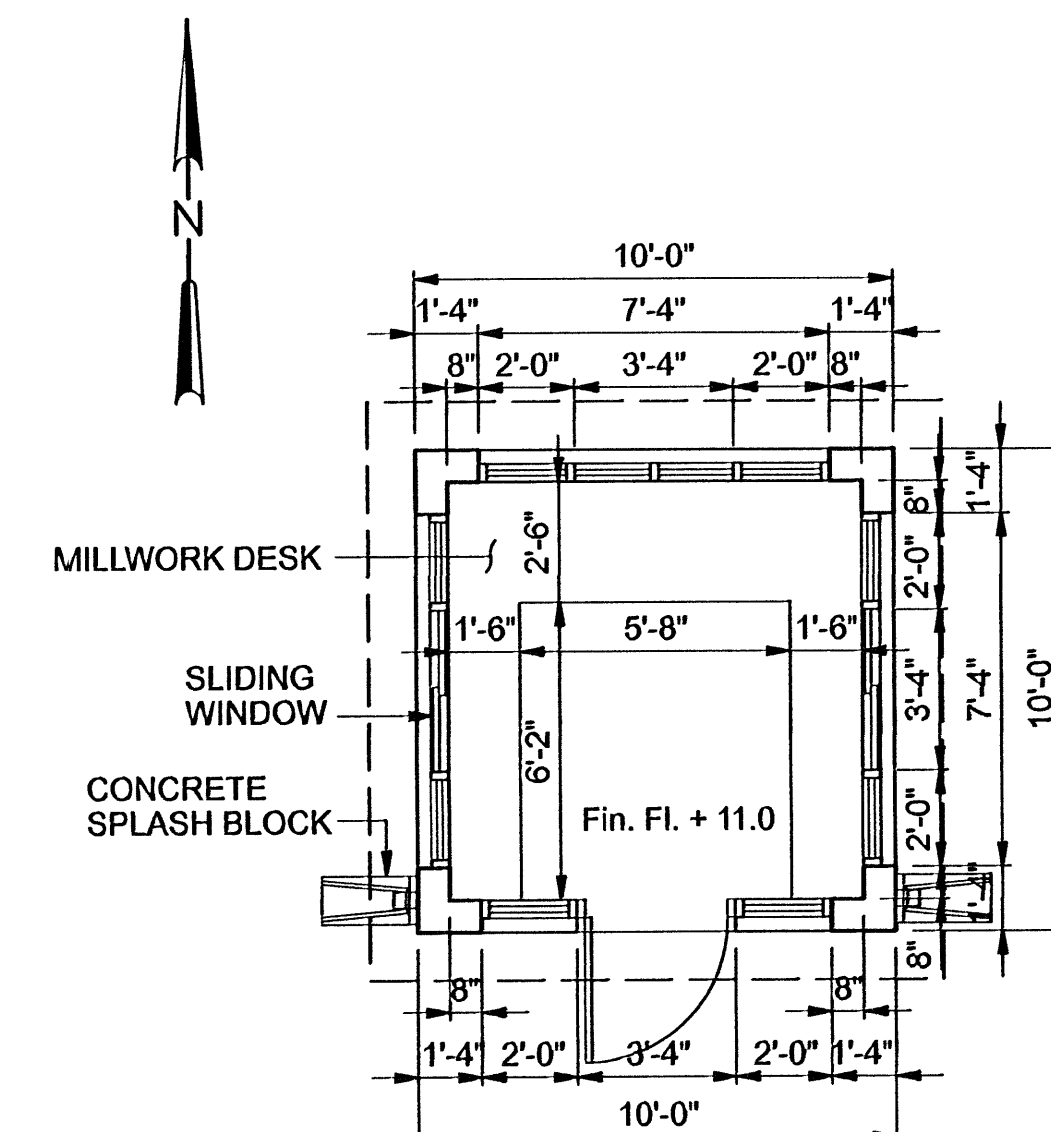
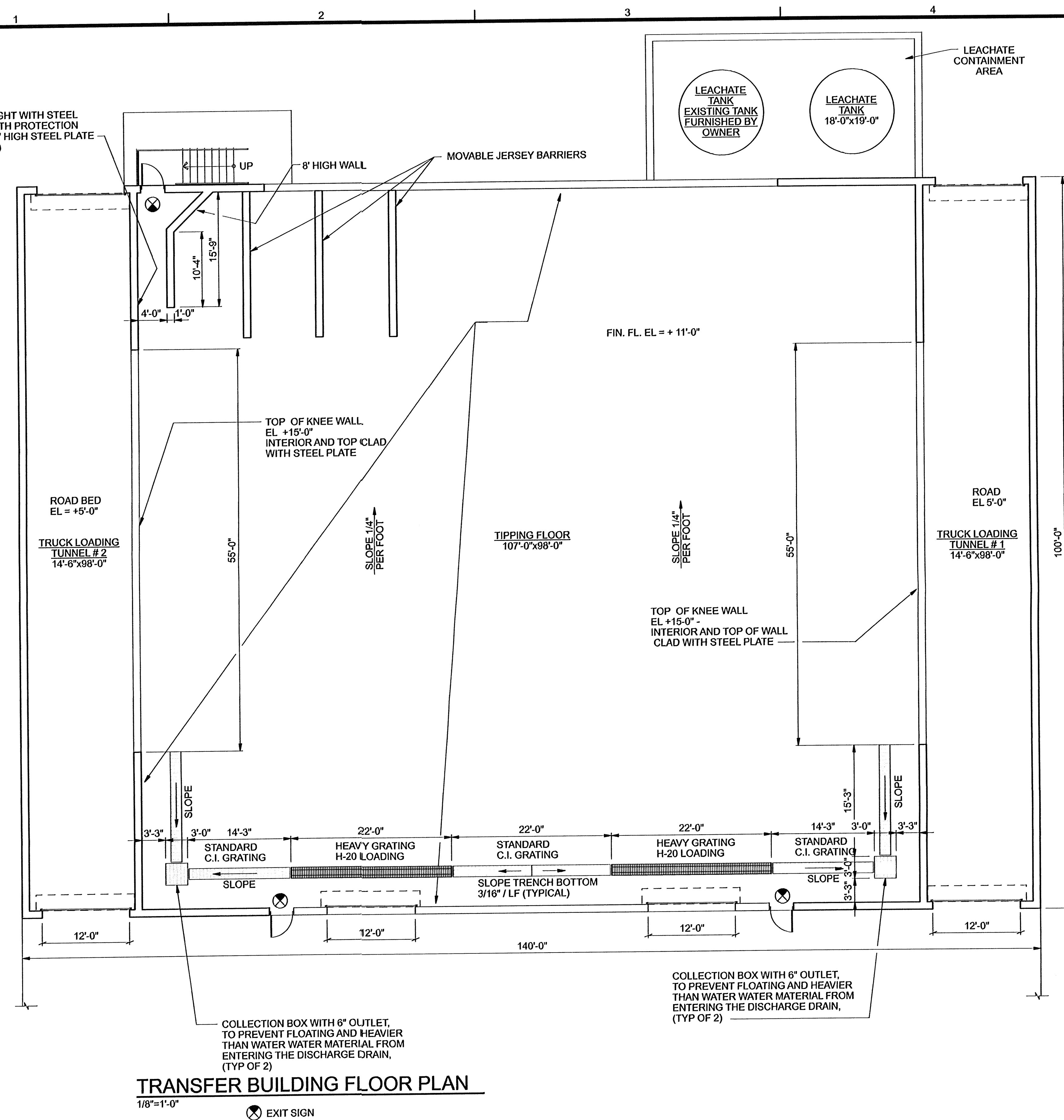
VERIFY SCALE
BAR IS ONE INCH ON
ORIGINAL DRAWING.
IF NOT ONE INCH ON
THIS SHEET, ADJUST
SCALES ACCORDINGLY.

CITY OF KEY WEST
SOLID WASTE TRANSFER
STATION
ROCKLAND KEY, FLORIDA

OVERALL SITE PLAN


DWG	FIG. F-1
DATE	SEPTEMBER 2005
PROJ	322025.4A

PRELIMINARY



DSGN	Engineer							APPROVALS:
DR	Drawn By							
CHK	10nat141d_322025.dgn Checked By							
APVD	Approved By	NO.	DATE			REVISION	BY	APVD

CH2MHILL
3011 SW WILLISTON ROAD
GAINESVILLE, FLORIDA 32608
EB0000072 AAC001992
CDD SealNo

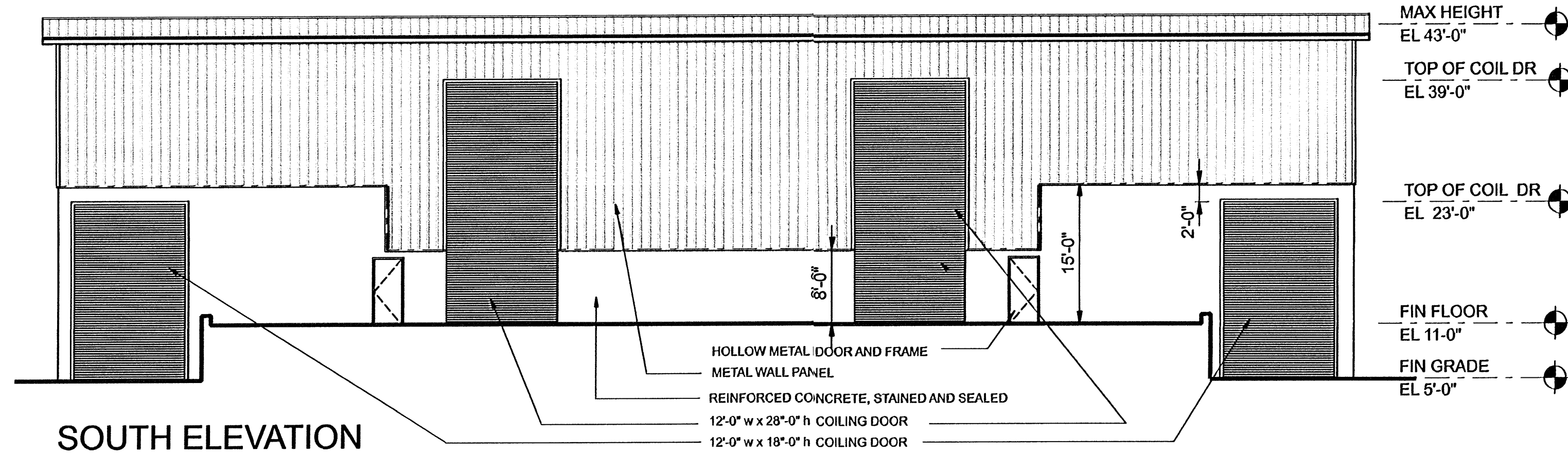
VERIFY SCALE
BAR IS ONE INCH ON
ORIGINAL DRAWING.
0  1"
IF NOT ONE INCH ON
THIS SHEET, ADJUST
SCALES ACCORDINGLY.

CITY OF KEY WEST
SOLID WASTE TRANSFER STATION
ROCKLAND KEY, FLORIDA

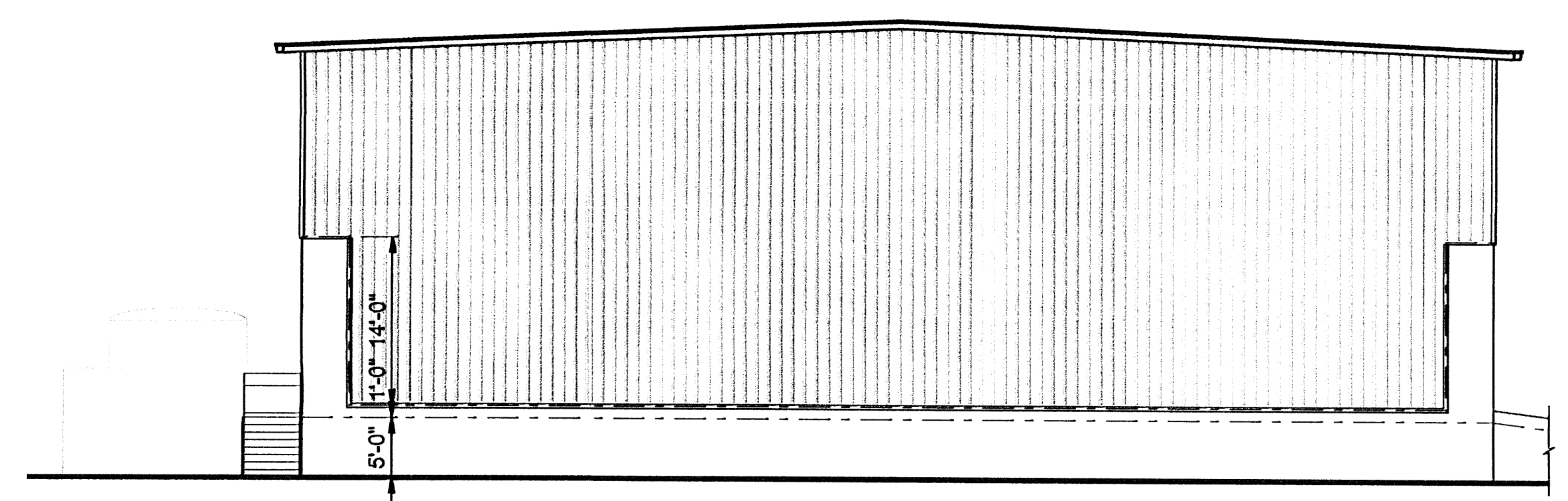
ARCHITECTURAL TRANSFER STATION & SCALEHOUSE FLOOR PLAN

DWG	FIG. F-2
DATE	SEPTEMBER 2005
PROJ	322025.4A

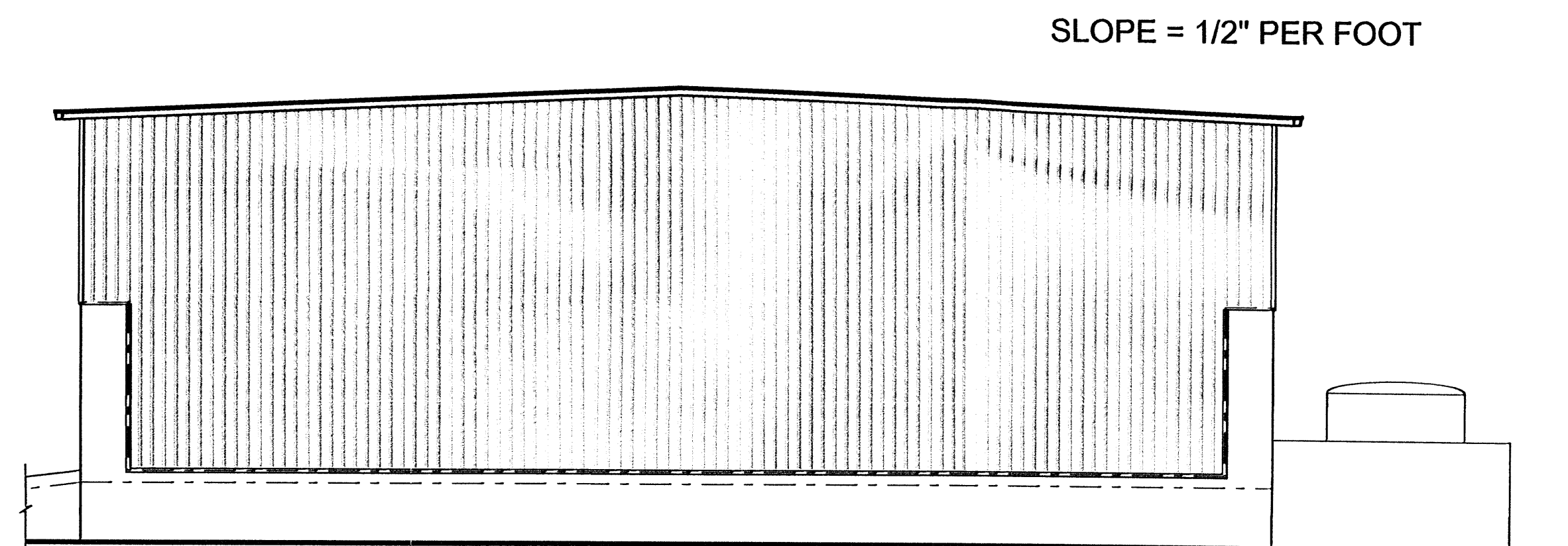
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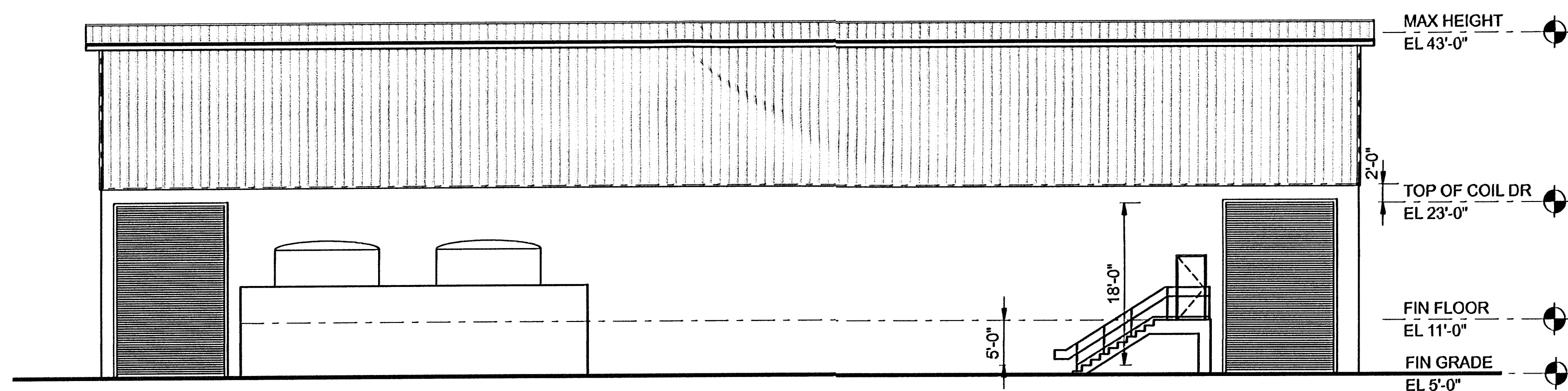
SOUTH ELEVATION
3/32"=1'-0"



WEST ELEVATION
3/32"=1'-0"



EAST ELEVATION
3/32"=1'-0"



NORTH ELEVATION
3/32"=1'-0"

DSGN Engineer						APPROVALS:	CH2MHILL 3011 SW WILLISTON ROAD GAINESVILLE, FLORIDA 32608 EB0000072 AAC001992 CDD SealNo	VERIFY SCALE BAR IS ONE INCH ON ORIGINAL DRAWING. 0 1" IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY.	CITY OF KEY WEST SOLID WASTE TRANSFER STATION ROCKLAND KEY, FLORIDA	ARCHITECTURAL TRANSFER STATION ELEVATIONS	DWG FIG. F-3
DR Drawn By											DATE SEPTEMBER 2005
CHK 10na141d_322025.dgn Checked By											PROJ 322025.4A
APVD Approved By	NO.	DATE	REVISION	BY	APVD						

